

ONKYO[®]

IMAGINATIVE SIGHT & SOUND



We Invite You to a Truly Cinematic Experience

Audio/Video Products 2004





CONTENTS

HOME THEATER COMPONENTS	4-15
HOME THEATER PACKAGE	16
SPEAKER SYSTEMS	17
HOME STYLE COMPONENTS	18-19
SEPARATE COLLECTION	20-21
PURE HI-FI COMPONENTS	22-27

It is the belief of Onkyo that if a component does not deliver a performance that evokes emotion and fails to reproduce every nuance for you, then it has missed the fundamental reason it was created. And this faithful reproduction of audio and video does not happen merely by chance. Since the release of the world's first THX® certified receiver, we have maintained an enviable reputation as the leading innovator of how entertainment should be presented in the home environment.

In 1994, Onkyo set the standard for quality and performance by partnering with THX® Ltd. to provide the first cast-iron guaranteed standard for the delivery of true Home Theater. The result was the TX-SV919THX, the world's first THX® certified receiver for the Home Theater environment.

A few years later, following advances in technology, the TX-DS939 came forth as the benchmark of what a Home Theater receiver should be. The next Onkyo innovation to rock the Home Theater industry was the world's first 7.1-channel Home Theater receiver, the TX-DS989. At the same time as this momentous event, Onkyo released its first THX® certified DVD player, the DV-S939.

Today, evolution has taken another leap, as we introduce the 1000 series. Now, experience for yourself what over 50 years of evolutionary achievement and rock-steady performance have progressed to.



Premium Digital Surround Receivers— The Right Start for Your Home Theater

At Onkyo, Our Mission is Simple

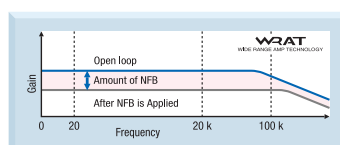
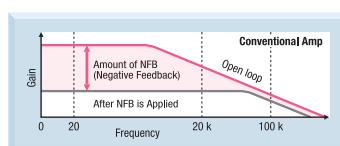
The definition and redefinition of what A/V components should sound like. In doing this, over the last 50 years we've built a reputation for the finest sounding products. And when your name means "sound" in Japanese, there's quite a burden to deliver. The burden is not sound that can be simply rated in watts or by a number on the volume display. But rather, sound that can be felt when you close your eyes and relax—when you listen to the subtlest opera or to thunderous space battles. To describe our unique sound in Japanese, we've coined the term "Kai On Shi-tsu." The cumulative result of innovations like WRAT (Wide Range Amplifier Technology), VLSC (Vector Linear Shaping Circuitry) and other sound-enhancing exclusives powered by a High Current Power Supply (H.C.P.S.) transformer that only Onkyo can give you. Translated, "Kai On Shi-tsu" means, "sound harmony". We're sure you'll term it the best sound you've ever heard—and felt.

The Technology that Sets Us Apart from Others

Imagine turning up the volume and filling your entertainment room with noise-free, distortion-free, impressively powerful, true-to-life sound. That's the benefit you get from Onkyo exclusives such as Wide Range Amplifier Technology (WRAT), Vector Linear Shaping Circuitry (VLSC) and a massive, High Current Power Supply (H.C.P.S.) transformer. Originally developed for our most expensive high-end amplifiers to handle the ever-increasing sonic demands of today's digital age, you'll now find these even in our lower-priced A/V receivers.

3 Significant Benefits You Get from WRAT

WRAT WIDE RANGE AMP TECHNOLOGY

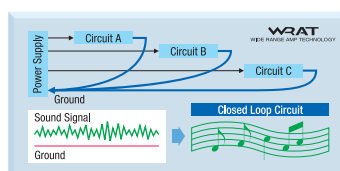
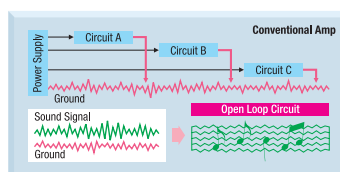


Benefit 1: Uncommonly Low Negative-Feedback Design—so you'll enjoy cleaner sound on programme peaks

Although NFB (negative feedback) is the most cost-effective way to reduce noise at lower frequencies, there's a sonic price to pay: larger amounts of NFB severely inhibit an amplifier's transient response—the ability to respond to large signal

gains (e.g. explosions and musical finales)—and actually distort sound at high frequencies.

That's why our engineers use a low negative-feedback design, with audiophile-grade, close-tolerance components at critical points in the signal path, to achieve a frequency response out to 100 kHz. That means you can fully enjoy the sonic benefits from such high-resolution formats as DVD-Audio and Super Audio CD as well as your regular CDs and DVDs.



Benefit 2: Closed Ground-Loop Circuits—so you'll enjoy greater maximum volume without distortion

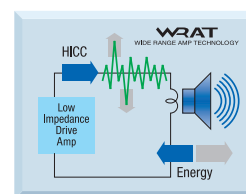
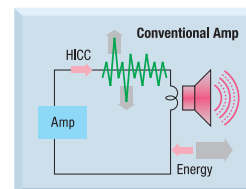
If an amplifier's ground potential (voltage) fluctuates during playback of movie soundtracks or musical performances, you wind up with unpleasant noise. In an open-loop circuit design, all circuits are connected to the power supply via one loop. If all circuits share the same loop (like

on many amplifiers), the noise multiplies exponentially. Onkyo's sophisticated closed-circuit design allows each circuit to go and return directly to the power supply. This cancels any individual circuit noise, and keeps the ground potential free of distortion.

Benefit 3: High Instantaneous-Current Capability—so you'll enjoy film soundtracks with greater impact

Audio signals are very complex. After the amplifier outputs such signals to a speaker, the speaker itself accumulates energy. When the speaker reflexes, it sends energy back to the amplifier. The amplifier must immediately be able to supply a large amount of high current to cancel the speaker's reflex energy, and instantaneously send out the next signal. The same high current is also necessary to handle speaker impedance fluctuations, which on occasion force an amplifier to provide four to six times its usual current load.

The instantaneous current capability of even Onkyo's least expensive WRAT receivers is far better than that of most conventional units. This is because competing designs commonly have less than half the current capability. The result? The high-current capability incorporated into all Onkyo receivers means your receiver can deliver movie soundtracks with theatre-like dynamics and clarity—so you'll get the same exciting sonic slam that you experienced in the cinema.

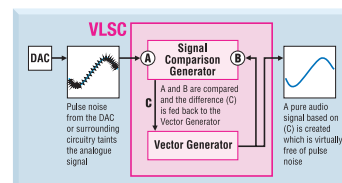


Vector Linear Shaping Circuitry (VLSC)

VECTOR LINEAR SHAPING CIRCUITRY

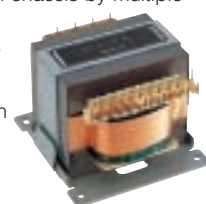
Conventional D/A conversion methods reduce digital pulse noise at the conversion stage but can't remove it completely. Previously only found on Onkyo's high-end components, VLSC (Vector Linear Shaping Circuitry) employs a unique D/A conversion circuit to overcome this problem. Data is converted between sampling points and these points are joined with analogue vectors in real-time to produce a smooth output wave form. The result—a virtually noiseless, smooth analogue

signal based on the digital source, that brings out even the most subtle of nuances in your music, movie soundtracks and even MP3s!



High Current Power Supply (H.C.P.S.) Transformer

Watts, watts, watts—that's all those other makers can talk about. If you want to see where real power comes from, pop the hood on any Onkyo receiver (actually, you can't "pop" it off—the anti-resonant cover is securely fastened to the thick-gauge reinforced-steel chassis by multiple machine screws to resist vibration). Under the hood, you'll instantly notice the High Current Power Supply (H.C.P.S.) transformer. This transformer incorporates a huge isolated power supply design that, working in tandem with our high-capacity filter capacitors, ensures you'll always have ready the large amounts of instantaneous high-current power necessary for reproducing the wide dynamics of movie soundtracks and the detail and clarity of your music.





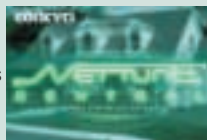
Net-Tune—Bring a World of Music into Your Home

What is Net-Tune™?

Do you have MP3, WAV, or WMA files on your computer? Add new life to this existing content and enjoy it in surround sound glory. With one of Onkyo's exclusive line of home network receivers connected to your computer via a broadband router, you can easily access all your computer's music files. Simply download Net-Tune™ to your PC and, through the Net-Tune™ Central application, you're ready to truly fill your room with music. If you've already upgraded to a broadband Internet connection, then there are even more possibilities for you. Have the urge to hear pop music from Japan or the latest songs soaring up the American charts? How does instant access to radio stations around the world sound to you? Well, it's possible through the mini-revolution in the music world called Internet radio. The process is simple. Hook up your home network receiver to a router connected to your broadband modem via a high-speed Ethernet cable*. Press the Net Audio button on the front of your receiver and you'll be welcomed to a world of music in your home through Internet radio.

Net-Tune™ Central**

Your media distribution software. Up to now, you may have looked upon your PC as a means of sending e-mail, making spreadsheets and playing the occasional game, but when it came to music, the sound was second best. Now Onkyo can add astounding depth to your hard drive's MP3, WAV or WMA music files. Simply download Net-Tune™ Central to your PC and your music files will be liberated from the limitations of your computer's speakers. Hook your PC up to a router and then connect your home network receiver for fast and easy access to your computer's music files. Now you have transformed your computer into a music server ready to deliver sparkling surround sound.

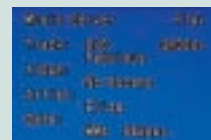


Internet Radio

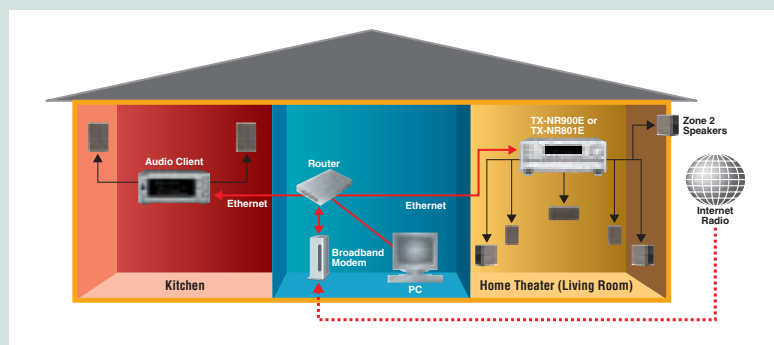
Perhaps you've been wondering how your kids are getting radio reception from Asia. Or how your flatmate always seems to find those great stations you can't find on the radio. What's the secret? It's not coming from your local FM/AM tuner. It's coming from the Internet. Even if you're an old pro at surfing the airwaves of cyberspace, the benefits of Internet radio will continue to amaze you. No longer are you limited to local access. Now you have the freedom of the kind of music you want to hear when you want to hear it. The drawback? Until now this has been limited to the audio playback capability of your computer and its speakers. We're sure you'll agree with us when we say your music deserves more.

Dot Matrix and TV On-Screen Display

All of this musical potential means nothing if you can't get to it. Using the Net-Tune™ Central software and the on-screen display capabilities of your home network receiver, accessing your PC's music files is a breeze.



Simple, well-thought-out screens let you choose from among artists, genres, albums, playlists, and individual tracks. The on-screen display also works with Internet radio, so you'll always know what station you're currently listening to. Don't have the TV on? Don't worry, the large display on the front of your home network receiver will provide details on your favourite songs. This way you can listen to the kind of music you want, when you want.



Minimum Internet Connection Requirements:

- Broadband Internet service
- DHCP (Dynamic Host Configuration Protocol) based network (requires a DHCP-enabled router)
- 100Base-TX switch built-in broadband router (recommended)

Minimum PC System Requirements:

600 MHz Intel Pentium III CPU or better; Windows® 98SE/Me/2000/XP OS (operating system); more than 20 MB of free hard disk space; RAM (128 MB for Windows® 98SE/Me/2000 and 256 MB for XP); and Ethernet port. Not compatible with Macintosh systems.



* For copyright protection purposes, it is not possible to record Ethernet digital input signals.

** For copyright protection purposes, Net-Tune™ Central is not for use with clients that do not feature the Net-Tune™ logo.

TX-NR801E

THX® Select 7.1-Channel A/V Surround Home Network Receiver with THX® Surround EX™



While limiting your A/V receiver to Home Theater use is something that other companies may do, Onkyo has taken a decidedly different course in the creation of an entirely new category for home entertainment. A masterpiece of technology and functionality, the TX-NR801E includes a value-added feature only we can provide—Net-Tune™ home network capability. The Ethernet connection* on the back lets you stream your MP3, WAV and WMA files from your computer, in addition to being your passport to the music of the world via Internet radio. Onkyo's exclusive VLSC (Vector Linear Shaping Circuitry) smoothes the pulse noise inherent in the Internet radio signal—as well as noise in your movies and music—to create an incomparable listening environment. The TX-NR801E further distances itself from the rest with high-grade parts that provide a smooth and seamless listening experience from the latest generation in digital surround sound formats. Just what you'd expect from a company committed to providing you with the latest in state-of-the-art features. When you're looking for the ultimate in movie and music reproduction, unlock the full potential of an A/V receiver and expand your home entertainment experience with the TX-NR801E.

- 135 W/Ch, Continuous 6 Ω, 1 kHz, DIN
- THX® Select Certified
- THX® Surround EX™, DTS®-ES™ Discrete/ Matrix 6.1, DTS® NEO:6, DTS® 96/24, Dolby® Digital EX™, Dolby® Pro Logic® II
- VLSC (Vector Linear Shaping Circuitry) (L/C/R)
- Net-Tune™ Function with MP3/WAV/WMA Decoding
- Ethernet Cable Plug-in Capability*
- High-Precision 32-Bit Dual DSP Chips
- 192 kHz/24-Bit DAC x 6
- 96 kHz/24-Bit DAC x 2
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- 2 Wideband Component Video Inputs and 1 Output
- Composite and S-Video to Component Video Upconversion
- Powered Zone 2
- A-Form Listening Mode Memory
- Colour-Coded Dual Banana Plug Compatible Speaker Posts, 7.1 Multi-Channel Inputs and Pre Outs
- Crossover Adjustment (40/60/80/100/120/150 Hz)
- Backlit/Preprogrammed & Learning Remote with Mode-Key LEDs

* For copyright protection purposes, it is not possible to make a digital output signal from Ethernet input signals.

TX-SR702E

THX Select 7.1-Channel A/V Surround Home Theater Receiver
THX® Surround EX™



Descending from one of Onkyo's most well-crafted receivers, the TX-SR702E has an impeccable reputation to live up to. With its THX Select stamp of approval, this receiver most definitely makes the advanced home theater grade. Now supporting an extra channel (7.1 130 watts), the TX-SR702E has expanded its ability to reproduce multichannel formats with pinpoint clarity and awesome power. As on all Onkyo receivers, we expect the integration of our proprietary technologies like Wide Range Amplifier Technology (WRAT) and Vector Linear Shaping Circuitry (VLSC) with robust parts, like a massive high power transformer, to significantly enhance audio performance and output. In our view, it is unacceptable to solely count watts to determine a receiver's potential. This is where the TX-SR702E excels. The TX-SR702E also represents a new breed of receiver—one that is capable of software upgrades enabling it to seamlessly adapt to future decoding enhancements through onboard flash memory via an RS232 port. And we need to put to rest the idea that home theater is purely for enjoying movies, the TX-SR702E will faultlessly play back DVD-Audio and Super Audio CD. If you're all for Onkyo reliability and first-rate engineering, the TX-SR702 demands serious consideration.

- 130 W/Ch, Continuous 6 Ω , 1 kHz, DIN
- THX® Select Certified
- THX® Surround EX™, DTS®-ES™, Discrete/Matrix 6.1, DTS® NEO:6, DTS® 96/24, Dolby® Digital EX™, Dolby® Pro Logic® IIx
- VLSC (Vector Linear Shaping Circuitry) (L/C/R)
- 192 kHz/24-Bit DACs • 7
- Composite and S-Video to Component Video Upconversion with TBC (Time Base Corrector)
- Advanced 32-bit DSP
- 3 Wideband Component-Video Inputs and 1 Output
- 7 Digital Inputs (5 Optical; 2 Coaxial)
- 2 Digital Outputs (1 Optical; 1 Coaxial)
- RS232 Terminal for Interface Control
- Powered Zone 2 and 12V Trigger
- A-Form Listening Mode Memory
- Color-Coded Dual Banana Plug Compatible Speaker Posts
- Set-up with Microphone
- Newly Designed Preprogrammed Learning Remote

TX-SR602E

7.1-Channel A/V Surround Home Theater Receiver



The TX-SR602E—the latest in a line of Onkyo's constantly evolving home theater receivers—has joined the big league. With an extra channel—now seven hardworking full-bandwidth channels in all—complementing proprietary technologies like Optimum Gain Volume Circuitry and stellar audio components like a 32-bit digital signal processor and 192 kHz/24-bit digital-to-analog convertors, the most expansive digital sound formats from Dolby and DTS are delivered to you in complete audio splendor. But it doesn't end there. The TX-SR602E seamlessly adapts with the sound dynamics of your home with set-up with microphone and effortlessly integrates with other A/V equipment through component video upconversion, color-coded multichannel inputs, and ample inputs and outputs to showcase future-forward entertainment.

- 120 W/Ch, Continuous 6 Ω , 1 kHz, DIN
- DTS®-ES™ Discrete/Matrix 6.1, DTS® NEO:6, DTS® 96/24, Dolby® Digital EX™, Dolby® Pro Logic® IIx
- VLSC (Vector Linear Shaping Circuitry) (L/R)
- 192 kHz/24-Bit DAC all channels
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- Pure audio mode
- 10 Hz-100 kHz Extended Frequency
- 3 Wideband Component Video Inputs and 1 Output
- CinemaFILTER™
- Powered Zone 2 and 12V Trigger
- 32-Bit Dual DSP Chips
- Component video upconversion with TBC (Time Base Corrector)
- Auto speaker set-up with microphone
- Digital upsampling
- HDTV capable (50 MHz) component video switching (3 inputs/1 output)
- On-Screen Display
- Dot Matrix FL Display
- Colour-Coded Dual Banana Plug Compatible Speaker Posts
- Crossover Adjustment (60/80/100/120/150 Hz)
- Preprogrammed & Learning Remote with Macros and Mode-Key LEDs

TX-SR502E

6.1-Channel A/V Surround Home Theater Receiver



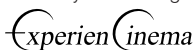
Entry in level but big in features is the perfect way to describe the TX-SR502E from Onkyo. 6.1 channels pump out enough watts to show you what you've been missing by just using those speakers on your TV. New additions bring your movie and music enjoyment to entirely new levels, with the enhanced surround sound of Dolby® Pro Logic® IIx and the near master quality of DTS® 96/24. And you won't have to worry about waiting to enjoy these features and more. Set-up is simple, with user-friendly features such as Crossover Adjustment for bass management and colour-coded inputs and outputs for speakers and multi-channel inputs. So if you're looking for an entry-level receiver with an impressive pedigree and features, we are proud to submit the TX-SR502E for your consideration.

- 90 W/Ch, Continuous 6 Ω , 1 kHz, DIN
- DTS®-ES™ Discrete/Matrix 6.1, DTS® NEO:6, DTS® 96/24, Dolby® Digital EX™, Dolby® Pro Logic® IIx
- 96 kHz/24-Bit DAC x 6
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- WRAT (Wide Range Amplifier Technology) for DVD-Audio and Super Audio CD
- 2 Wideband Component Video Inputs and 1 Output
- 4 S-Video Inputs and 2 Outputs
- 4 Digital Inputs (3 Optical/1 Coaxial; 4 Assignable)
- CinemaFILTER™
- Optimum Gain Volume Circuitry
- Dot Matrix FL Display
- Colour-Coded Dual Banana Plug Compatible Speaker Posts
- Crossover Adjustment (60/80/100/120/150 Hz)
- Preprogrammed RI-Compatible Remote Control

Experience Cinema—The Way Movies and Music Are Supposed to Be

ExperienCinema

Our over 50 years of expertise in Imaginative Sight & Sound allow you to experience pure listening and viewing pleasure through our ExperienCinema™ concept. Onkyo not only provides you with the highest picture quality available, through Progressive Scan, but also audiophile-quality sound from 192 kHz/24-bit D/A converters and Onkyo exclusives like Direct Digital Path technology and VLSC (Vector Linear Shaping Circuitry). All of this adds up to a truly astounding sight and sound experience. ExperienCinema™—the way it was meant to be.



Oplus FlexScale Video Scaling Capability (DV-SP1000E)

While HD-DVD with a native resolution of over NTSC 480p or PAL 576p is still on the drawing board, you can experience HD level 720p and 1080i via FlexScale™ video scaling capability from Oplus®. Built in to the DV-SP1000E, and thus eliminating the need for costly external scalars, FlexScale™ takes NTSC 480i or PAL 576i DVDs beyond normal progressive scan players and into the HD domain by enabling 720p or 1080i output through the HDMI (High-Definition Multimedia Interface) out on the rear.

HDMI (High-Definition Multimedia Interface) (DV-SP1000E)

The DV-SP1000E incorporates the latest interface technology with the inclusion of HDMI (High-Definition Multimedia Interface) capability. This high-bandwidth interface supports not only remarkable amounts of uncompressed digital video, but audio as well. Up to 5 Gbps of data, more than twice what's needed for a high-definition movie with surround sound, can be handled, with room for any future requirements. All this data is kept in the digital domain, as there are no D/A or A/D conversions needed—all of which ensures the highest sound and video quality available.



i.LINK (IEEE1394) (DV-SP1000E)

The allure of surround sound DVD-Audio and Super Audio CD had previously been limited by analogue-only connections. i.LINK lets you broaden your multi-channel experience, while at the same time simplifying it. One wire allows you to transmit high-resolution multi-channel music in the digital—rather than the previous analogue—domain, to get the DVD-Audio and Super Audio CD experience you've been waiting for.



PAL/NTSC Veridic Progressive Scan (DV-SP1000E)

Most DVDs are "progressive"—meaning they produce video in complete frames. But to be compatible with all TVs, the DVD signal must be interlaced—a method where the picture is split into two fields and then blurred together to look like one. Progressive Scan, however, retrieves the original progressive signal, and on such compatible displays as HDTV, Plasma or digital TV and high-end projectors, "paints" all the visible lines on the screen in a single pass—so you'll enjoy a scan-line-free image, with spectacularly clear colour, no motion artifacts, and details so sharp they seem as if they're etched onto the screen.



Analog Devices 216 MHz/14-Bit NSV Video DAC (DV-SP1000E)

A crucial factor in achieving clear, pristine digital video playback is the video D/A converter in your DVD player. The state-of-the-art 216 MHz/14-bit video DAC from Analog Devices featured in the DV-SP1000E gives you the finest artifact-free picture available. Features such as 4x oversampling and Noise Shaped Video (NSV®) dramatically reduce noise interference to the video signal, so you can enjoy even the most subtle of nuances in your favourite movies.



PROGRESSIVE SCAN

192 kHz/24-Bit Audio DACs

Performing at a full 192 kHz/24-bit level of resolution, these state-of-the-art digital-to-analogue converters deliver audio performance that is second to none. They boast a higher dynamic range than standard D/A converters, and are virtually resistant to clock jitter—which means you'll enjoy the best performance possible from DVD-Audio discs and Super Audio CDs and cleaner sound from your regular DVDs and CDs.



Exclusive Dual Direct Digital Path (DV-SP1000E)

Unlike other DVD players that use inexpensive PC-board copper traces to transfer the digital audio signal, the DV-SP1000E employs dual high-purity, heavy-gauge, shielded cables to directly output digital or PCM bitstreams



straight from the disc to the back panel. This protects the audio signal against potential noise from nearby microprocessors and power supplies. So if you use the optical or coaxial digital output to send multi-channel Dolby® Digital, DTS® and more to your compatible receiver, you're starting off with the cleanest possible signal.

Vector Linear Shaping Circuitry (VLSC)

From the digital signal a pure analogue signal is born. VLSC (Vector Linear Shaping Circuitry) is an Onkyo exclusive previously found only on our high-end components. If you're looking for the purest signal possible you'll get it here. VLSC reduces pulse noise from the digital signal to an absolute minimum to add more depth and clarity to your CDs, movie soundtracks, and even MP3s.



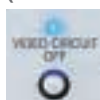
DVD-Audio and Super Audio CD—Unprecedented Clarity (DV-SP1000E, DV-SP800)

DVD-Audio gives you data-loss-free reproduction of 192 kHz/24-bit 2-channel stereo or 96 kHz/24-bit 6-channel surround sound and a frequency rate 4.3 times greater than an audio CD. Super Audio CD gives you all-channel performance of up to 100 kHz frequency response and a sampling rate of 2.822 MHz—64 times that of a regular CD. Both give you the next step in the evolution of pristine surround sound.



Video Circuit On/Off Control

(DV-SP1000E, DV-SP800)



For the best audio quality possible, you can turn off the video circuitry when using the DV-SP1000E and DV-SP800 as audio-only players, eliminating the possibility of interference between the player's video and audio circuitry.

BNC Component Video Output (DV-SP1000E)

This three-jack video output gives you higher-quality single-cable connection to the latest TVs, projectors and monitors than you get from standard pin-jack connections. It also brings out the full potential of your DVDs by sending three extremely clean, separate RGB (red, green, and blue) signals to your TV. This eliminates the usual artifacts such as dot crawl and moiré (wavelike or watered appearance), and gives stunning color fidelity with virtually no discernible video noise.



Picture CD Capability

Insert a disc containing picture files into a compatible Onkyo DVD player and relive the memories of your last vacation, birthday or any time immortalized on digital film. These players are compatible with FUJICOLOR® CDs, Kodak® Picture CDs, and CD-R/RWs encoded with JPEG picture files, so you can bring those timeless moments to life on your viewing screen. Viewing these pictures is simple with the menu mode, which lists the pictures on the disc for fast and easy selection.



DV-SP1000E **Integra**

THX® Ultra Certified Universal DVD-Audio/Super Audio CD Player



THX ULTRA DIGITAL DTS DIGITAL HDTV i FLEX SCALING Authorized by OPLUS SUPER AUDIO CD DVD AUDIO/VIDEO MP3 JPEG CD
 192 kHz/24-bit VECTOR LINEAR SHAPING CIRCUITRY VERIDIC PROGRESSIVE SCAN DUAL DIRECT DIGITAL PATH

Audio and Video Delivery to Set the Standard for DVD Players

Many say that the receiver is the heart of your home Theater. But it still needs movies and music pumped to it, and there's no better delivery mechanism than the rugged DV-SP1000E. One look at this DVD player and you'll know it's built to last. Vibrations are kept to a minimum, with a sturdy chassis and loading mechanism specifically designed for the smoothest delivery of your movies and music. "Universal" takes on an entirely new dimension, with the DV-SP1000E not only providing you with DVD Audio-Video, and Super Audio CD playback, but also analogue and pure digital reproduction. The inclusion of HDMI (High-Definition Multimedia Interface) and i.LINK (IEEE1394) delivers high-quality movies and multi-channel music. Onkyo's VLSC (Vector Linear Shaping Circuitry) and FlexScale™ from Oplus (which enables video scaling of NTSC and PAL discs from 480i/576i to 480p/576p/720p/ 768p and 1080i) guarantee superlative audio and video playback that other manufacturers can't match. You'll find all of this contained within a THX® Ultra certified component that's ready to deliver a sensational standard of audio and video to your home Theater.

- THX® Ultra Certified
- DTS® & Dolby® Digital Decoders Built-In
- Plays DVD-Audio & Video, DVD-R/RWs, DVD+R/RWs*, Super Audio CDs, MP3 CDs, CD-R/RWs, Video CDs, Audio CDs and JPEG/Picture CDs
- State-of-the-Art 216 MHz/14-Bit Analog Devices NSV® Video DAC
- Wolfson 192 kHz/24-Bit Audio DACs
- Dual Direct Digital Path
- Optical & Coaxial Digital Outputs for DTS®, Dolby® Digital and PCM
- High Quality HDMI Audio and Video Output
- 2 i.LINK (IEEE1394) Digital Outputs
- 2 Component Video (RCA/BNC), S-Video & Composite Video Outputs
- 12V Trigger and IR Input/Output
- Bi-Directional RS-232 Terminal
- Parallel Outputs—All Outputs Active
- Heavy-Gauge Toroidal Transformer
- Rigid Aluminium Front/Side Panel with Brass Stabilizers
- PAL and NTSC Veridic Progressive Scan
- On-Screen Display
- Elegant Aluminium-Faced Backlit Remote Control

** Discs that have not been properly finalized may only be partially playable or not playable at all.*

DV-SP502E

Universal DVD-Audio/Super Audio CD Player



PROGRESSIVE SCAN

- Plays DVD-Audio & DVD-Video, Super Audio CD (SACD), MP3 CD, WMA CD, CD-R/RW*, DVD-R/RW*, JPEG-encoded CD, Video and Audio CD
- DivX Video playable
- 108 MHz/12-bit video D/A conversion
- PAL and NTSC Progressive Scan Video output
- Full-time active video outputs (composite, Scart, S-Video, component-video)
- 192 kHz/24-bit D/A converter
- 48 kHz or 96 kHz selectable digital output
- Optical and coaxial digital outputs
- High-resolution onscreen display (English, French, German, Italian, Spanish)
- Brushed aluminum front panel
- Full-function remote control
- Discs that have not been properly finalized may only be partially playable or not playable at all.

Want to experience multichannel surround sound movies and hear your own music blissfully transformed with the latest audio formats from PAL/NTSC Progressive Scan Universal player? Onkyo's DV-SP502E provides the perfect source if you do. By incorporating Onkyo's exceptional 'build quality'-embracing high quality components such as 108 MHz/12-bit video and 192 kHz/24-bit audio DACs-with design considerations, the DV-SP502E's performance has not been compromised. And to crush any misconceptions that this is a mere DVD-Video CD player, the DV-SP502E also supports revolutionary music formats-Super Audio CD and DVD-Audio-played back through stereo or 5.1 multi-channel analog output, as well as your favorite MP3/WMA/JPEG files through DVD-R and DVD-RW. With such versatile multi-capabilities, the DV-SP502E will keep your entertainment options open for years to come.

DV-SP402E

DVD/CD/MP3 CD Player



- Plays DVDs, DVD-R/RWs, DVD+R/RWs*, MP3 CDs, WMA CDs, CD-R/RWs, Video CDs, Audio CDs and JPEG/Picture CDs
- PAL Progressive Scan Video Output
- 192 kHz/24-Bit Audio DACs
- 54 MHz/10-Bit Video DAC (For PAL Progressive Scan Output)
- Optical & Coaxial Digital Outputs for DTS®, Dolby® Digital and PCM
- SCART, Component Video, S-Video, and Composite Video Outputs
- Last Memory Playback
- On-Screen Display (English, French, Spanish, German, Italian)
- Full-Functional RI Remote Control

* Discs that have not been properly finalized may only be partially playable or not playable at all.

The DV-SP402E offers two of the most pleasing phrases for customers in today's market—"technologically advanced" and "an affordable price". For audio, 192 kHz/24-bit D/A converters give you clean, precise sound. For video, PAL progressive scan via 54 MHz/10-bit D/A conversion means an ultra-smooth picture on compatible TV screens. The bottom line is a DVD player that will provide convenience for those new to home Theater and features for those looking for an all-round entertainment experience.

Perfectly Matched and Solid in Build—for the Complete Home Theater Experience



HTC-501

Complete 6.1-Channel Home Theater System

Convenience has many forms and definitions. Witness our definition for your Home Theater—the HTC-501. Six channels of balanced sound are pumped from the rugged TX-SR501E A/V receiver to the beautifully sculpted HTP-103E speaker package. To top it off, we've included the DV-SP501 DVD player for your movie and music needs. The HTC-501—step up to component home Theater.

HTE-501 SILVER

6.1-Channel Home Theater Package

TX-SR501E

6.1-Channel A/V Surround Home Theater Receiver



Logitech **DTS** **ES** **NEOS** **DOLBY** **DIGITAL** **EX** **PRO LOGIC** **CINEMA** **FILTER** **WRAT** **WIDE RANGE AMP TECHNOLOGY** **96/24** **CD-RDS**

- 85 W/Ch, Continuous 6 Ω , 1 kHz, DIN • DTS®-ES™ Discrete/Matrix 6.1, DTS® NEO:6, Dolby® Digital EX™, Dolby® Pro Logic® II • 96 kHz/24-Bit DACs for All Channels • H.C.P.S. (High Current Power Supply) Massive High Power Transformer • WRAT (Wide Range Amplifier Technology) for DVD-Audio and Super Audio CD • 2 Wideband Component Video Inputs and 1 Output
- 4 S-Video Inputs and 2 Outputs • 3 Digital Inputs (2 Optical/1 Coaxial; 3 Assignable)
- CinemaFILTER™ • Optimum Gain Volume Circuitry • "Easy-Set" Speaker Configuration • Dot Matrix FL Display • Colour-Coded Dual Banana Plug Compatible Speaker Posts • Crossover Adjustment (60/80/100/120/150 Hz) • RI-Compatible Remote Control

DV-SP501

DVD/CD/MP3 CD Player



DTS **DIGITAL** **DOLBY** **DIGITAL** **DVD** **VIDEO** **MP3** **Win** **Windows** **Media** **JPEG** **CD** **192/24** **EXPERIENCINEMA** **VECTOR LINEAR SHAPING CIRCUITRY**

- Plays DVDs, DVD-Rs*, DVD-RWs*, MP3 CDs, WMA CDs, CD-Rs, CD-RWs, Video CDs, Audio CDs and JPEG/Picture CDs • Exclusive ExperienCinema™ Design • 192 kHz/24-Bit Audio DACs
- Direct Digital Path • VLSC (Vector Linear Shaping Circuitry) • Optical & Coaxial Digital Outputs for DTS®, Dolby® Digital and PCM • 96 kHz or 48 kHz Selectable Digital Output • SCART, S-Video & Composite Outputs • On-Screen Display (English, French, Spanish, German, Italian) • Full-Function RI Remote Control

* Discs that have not been properly finalized may only be partially playable or not playable at all.

HTP-103E

Home Theater Speaker System

2-Way, Bass Reflex Front Speakers

- 10 cm Cone Woofer • 2.5 cm Balanced-Dome Tweeter • Bass Reflex • Magnetically Shielded • 6 Ω Impedance

2-Way, Bass Reflex Centre Speaker

- 10 cm Cone Woofer x 2 • 2.5 cm Balanced-Dome Tweeter • Bass Reflex • Magnetically Shielded • 6 Ω Impedance

2-Way, Bass Reflex Surround/Surround Back Speakers

- 10 cm Cone Woofer • 2.5 cm Balanced-Dome Tweeter • Bass Reflex • 6 Ω Impedance

Bass Reflex Powered Subwoofer

- Built-in 150 W Dynamic Power Amplifier • 20 cm Cone Woofer • Auto-Standby/On (See page 17 for product image)



SKFC-404

3.0 Home Theater Speaker System

SKFC-404 2-Way Bass Reflex Front and Centre Speakers

SKF-404FL/FR 2-Way Bass Reflex Front Speakers

- 8 cm cone woofer x 2 • 2.5 cm balanced-dome tweeter • Slit-duct Aero Acoustic Drive for powerful and natural sound • Magnetically shielded
- Rigid aluminum cabinet

SKC-404C 2-Way Bass Reflex Centre Speaker

- 8 cm dome woofer x 2 • 2.5 cm balanced-dome tweeter • Slit-duct Aero Acoustic Drive for powerful and natural sound • Magnetically shielded
- Rigid aluminum cabinet

SKF-3600

2-Way Bass Reflex Speakers

- 8 cm cone woofer x 2 • 2.5 cm balanced-dome tweeter
- Speaker base supplied • Magnetically shielded



SKR-200

2-Way Bass Reflex Surround Speaker

- 8 cm cone woofer • 2.5 cm balanced-dome tweeter • Slit-duct Aero Acoustic Drive for powerful and natural sound • Magnetically shielded • Rigid aluminum cabinet

SL-107

Bass Reflex Powered Subwoofer



- 20 cm Cone Woofer • Slit Duct for Powerful and Natural-Sounding Bass • Auto-Standby/On Switch
- Continuously Variable Crossover (50–200 Hz)
- Phase Switch (0 or 180°) • Speaker & Line Level Inputs • Impedance: 65 k Ω (Line Input), 1.2 k Ω (Speaker Input) • Built-in 150W Amplifier
- Frequency Response: 30–200 Hz • WHD: 230 x 435 x 401 mm • 13.0 kg

HTP-103E

Home Theater Speaker System



2-Way, Bass Reflex Front Speakers

- 10 cm Cone Woofer • 2.5 cm Balanced-Dome Tweeter • Bass Reflex • Magnetically Shielded • 6 Ω Impedance

2-Way, Bass Reflex Centre Speaker

- 10 cm Cone Woofer x 2 • 2.5 cm Balanced-Dome Tweeter • Bass Reflex • Magnetically Shielded • 6 Ω Impedance

2-Way, Bass Reflex Surround/ Surround Back Speakers

- 10 cm Cone Woofer • 2.5 cm Balanced-Dome Tweeter • Bass Reflex • 6 Ω Impedance

Bass Reflex Powered Subwoofer

- Built-in 150W Dynamic Power Amplifier
- 20 cm Cone Woofer • Auto-Standby/On

Spacious and Stylish Sound from a Perfectly Matched Home Theater System



Sight & Sound Rack Flat TV Rack Including Left, Right and Center Speakers Consumers looking for a versatile stand for their new plasma/LCD display need search no further ONKYO's new Sight & Sound Rack offers sensational style as well as high quality audio performance, courtesy of a built-in 3.0 speaker system. Solidly built, using a beautifully finished quality metal construction, the Sight & Sound Rack offers ample space for electronics like DVD-Receivers, set-top boxes VCRs etc, thanks to its supplied pair of toughened 'safety' glass shelves. Partner this rack with any of Onkyo's current range of DVD receivers and you'll be able to immediately enjoy sensational Theater Dimensional Surround Sound. This exclusive-to-Onkyo circuitry takes the complexity out of conventional surround-sound setups and lets you experience true surround sound from as few as two ordinary speakers... with the three fitted to this ultra-rigid rack you'll be in for a treat, with strongly located vocals and weight left/right effects. If you want to improve the experience further simply add rear speakers as and when you wish. It's that simple...

Sight & Sound Rack SILVER

Flat TV Rack including SKFC-404

- Neat yet elegant space-saving design
- Optimally positioned centre-channel speaker
- Can be incorporated into a full-scale 5.1/6.1/7.1 surround sound
- Capable of accommodating virtually any 37" - 43" flat TV in the market
- Adjustable display height
- Integrated cable management system
- 2 glass shelves
- Includes speaker cables



DR-S2.2 TITANIUM

DVD/CD Player and 5.1-Channel DTS®/Dolby® Digital/Dolby® Pro Logic® II Surround Receiver

- 35 W/Ch, Continuous 6 Ω, 1 kHz, DIN • DTS®, Dolby® Digital, Dolby® Pro Logic® II
- Plays DVDs, MP3 CDs, CD-Rs, CD-RWs, Video CDs and Audio CDs • High-Current, Low-Impedance Drive • 2 S-Video Inputs and 2 Outputs • 2 Digital Inputs and 1 Output • Subwoofer Pre Out • SCART Connector • Colour-Coded Speaker Terminals • Preprogrammed, Aluminium-Faced, Learning RI Remote Control



TX-L55

6.1-Channel Digital A/V Receiver



The digital revolution continues apace. Onkyo's next-generation TX-L55 6.1-channel digital A/V receiver offers refined performance and advanced functionality, all wrapped up in a sleek, new-look case. Thanks to its cutting-edge digital amplification technology, the TX-L55 is far more spaceefficient than a conventional analog receiver. Yet it still manages to deliver a room-filling 60 W/Ch into 6-ohm for all six surround channels. Along with a complete range of surround sound decoders from Dolby® and DTS®, the TX-L55 brings you a remarkably extensive set of Onkyo features: CinemaFILTER™, Crossover Adjustment, Direct Listening Mode, Speaker Auto Detect System-and more. In the Onkyo TX-L55, you have a digital A/V receiver with the aesthetics and performance to match your lifestyle.

- 60 W/Ch, continuous 6 Ω , 1 kHz (DIN)
- Exclusive Onkyo digital amplifier technology
- DTS-ES discrete/Matrix 6.1, DTS NEO:6, DTS 96/24, Dolby Digital EX, Dolby Pro Logic IIx
- Discrete output stage circuitry
- 5 DSP modes
- 2 component video inputs/1 output
- 3 digital inputs/subwoofer pre-out
- Color-coded multi-channel inputs for DVD-Audio and Super Audio CD
- CinemaFILTER
- Direct listening mode
- Speaker auto detect
- Crossover adjustment (60/80/100/120/150 Hz)
- Preprogrammed (for TVs and DVD players)
- RI* remote control

DV-L55

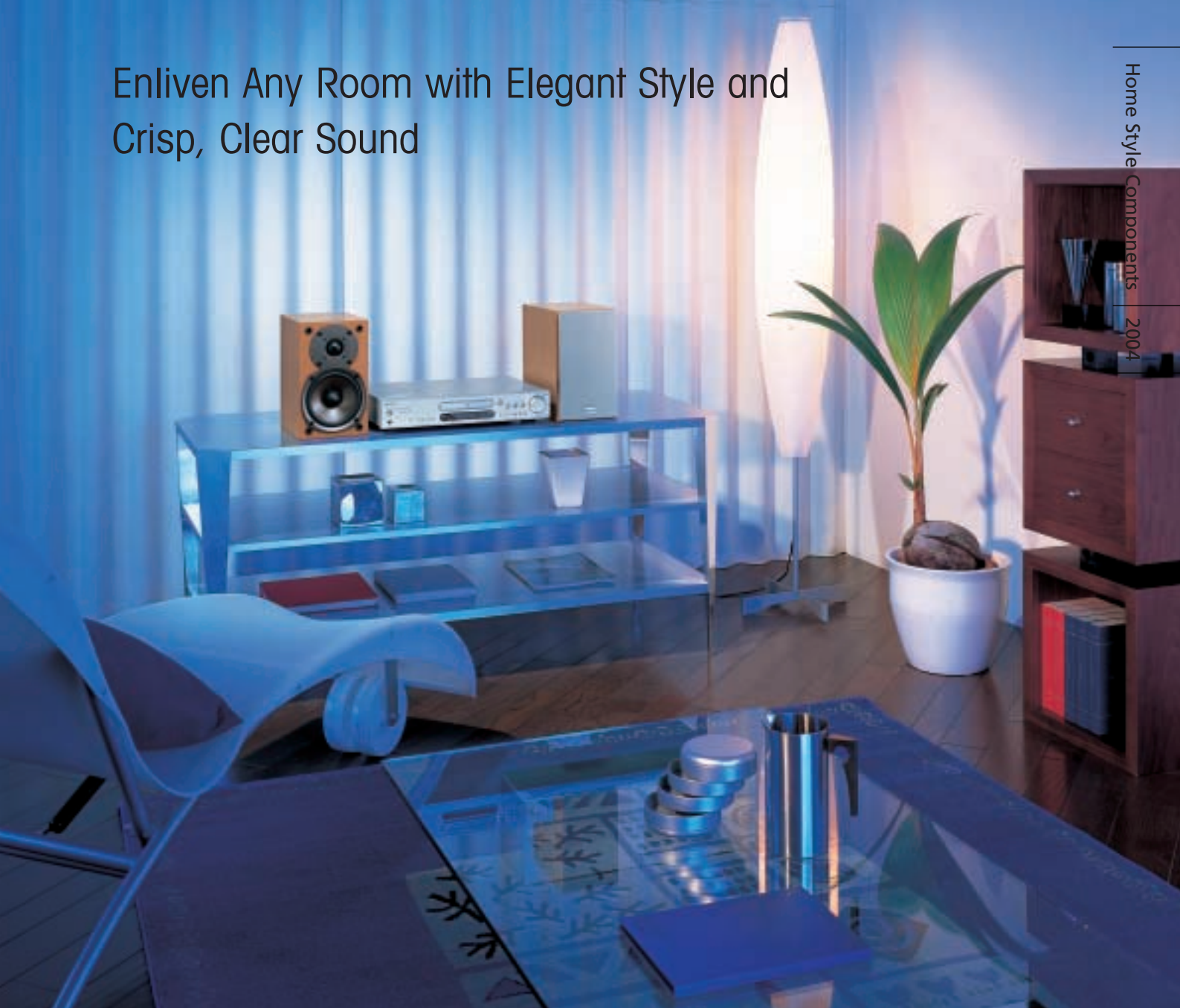
DVD/CD/MP3 CD Player



The elegant, rounded lines of the DV-L55's aluminium front panel bring a sleek, modernist motif to your entertainment space. But of course there's a lot more to great home theater than just a pretty face. That's why Onkyo's engineers have packed the DV-L55 with the features and technology you need to enjoy an authentic home theater experience. 192 kHz/24-bit DAC ensures that the purity of your sound signal is preserved. At the same time, PAL/NTSC progressive scan compatibility and component and S-Video outputs dramatically increase the accuracy of your video signal. A handy player, the DV-L55 augments the usual DVD video and CD audio options with MP3, WMA and even JPEG-encoded CD playability. Try pairing it up with the matching TX-L55 digital A/V receiver for a truly mouth-watering home theater combination.

- Plays DVD, MP3 CD, WMA CD, CD-R/RW, DVD-R/RW*, JPEG-encoded CD, video and audio CD
- Advanced 54 MHz/10-bit video D/A conversion (for progressive scan)
- PAL/NTSC progressive scan
- 192 kHz/24-bit audio DAC
- Optical & coaxial digital outputs for DTS/Dolby Digital/PCM
- 96 kHz or 48 kHz selectable digital output
- Full-time active video outputs
- Full set of A/V outputs (component, Scart, S-Video & composite)
- High resolution on-screen display (English, French, Spanish, German, Italian)
- Brushed aluminium front panel
- Full-function RI-compatible remote control

Enliven Any Room with Elegant Style and Crisp, Clear Sound



For the music lover who insists on a CD player without sonic compromise, Onkyo introduces the CR-L5. It includes outstanding Onkyo technological features, like WRAT (Wide Range Amplifier Technology) and VLSC (Vector Linear Shaping Circuitry), to give the smoothest sound to room-filling music. To further enhance this CD receiver, Onkyo has forgone the low cost route others may give you. We provide discrete output stage circuitry for enhanced cooling and superior sonics, even when there's a simultaneous demand for high current and high voltage.

CR-L5 SILVER Ultra-Slim CD Receiver



192/24 WRAT VECTOR LINEAR SHAPING CIRCUITRY ACCUCLOCK CORDS

- 50 W/Ch, Continuous 4 Ω , 1 kHz, DIN
- 192 kHz/24-Bit Audio DACs
- VLSC (Vector Linear Shaping Circuitry)
- WRAT (Wide Range Amplifier Technology)
- New "Home Style Component" Design
- High-Current, Low-Impedance Drive
- "Direct Mode" Function
- 2 Digital Outputs
- Subwoofer Pre Out
- A/B Speaker Drive
- RI-Compatible Remote Control

D-N3X 2-Way, Bass Reflex Speakers

- 12 cm OMF Diaphragm Woofer
- 2.5 cm Balanced-Dome Tweeter
- Magnetically Shielded
- Extensively Braced MDF Cabinet
- 5 Ω Impedance
- 70 W Max. Input Power
- 60 Hz-35 kHz Frequency Response



CS-220UK

CD/DAB Tuner Amplifier System



Bring mini-system convenience and outstanding Onkyo musicality to your bedroom, den or study, with the CS-220UK CD receiver system. The CS-220UK sports a range of features you'd normally expect to find only on higher-end models. High-quality Wolfson® DACs for accurate digital-to-analog conversion; discrete output stage circuitry for a clean output signal from the amplifier; and A-OMF cones and Aero Acoustic Drive for enhanced speaker performance. But best of all, the CS-220UK comes ready to receive crystal clear Digital Broadcast Audio—the future standard for radio broadcasting. Finished off with a sturdy yet stylish aluminium front panel, the CS-220UK presents a winning combination of simplicity and performance.

CR-505DAB CD/DAB Tuner Amplifier System

Amplifier Features

- 25 W/Ch into 4 ohms (1 kHz)
 - WRAT (Wide Range Amplifier Technology)
 - High-current, low-impedance drive
 - Discrete output stage circuitry
 - Tone control (Bass/Treble)
 - Tone direct
 - 3 audio inputs and 2 outputs
- #### CD Player Features
- Plays Audio CDs and MP3 CDs
 - Wolfson single-bit D/A converter
 - 20-track programming
 - 2-play modes (Random/Memory)
 - Repeat mode
 - Optical digital output

Tuner & Other Features

- DAB (Digital Audio Broadcasting) radio ready
- 5-mode timer (Timer 1/2/3/4/Sleep)
- 40 FM/AM presets
- 59 DAB presets
- Automatic FM scan tuning
- RDS (CT/PS/RT)
- Aluminium volume knob
- Battery-free memory backup
- Headphone jack
- Aluminium front panel
- RI-compatible remote control

D-S7GX 2-Way, Bass Reflex Loudspeakers

- 12 cm A-OMF diaphragm woofer
- 2.5 cm soft-dome tweeter
- Aero Acoustic Drive for powerful and natural sounding bass
- Magnetically shielded
- 4-ohm Impedance
- Max input power: 70 W
- Frequency response: 50 Hz-35 kHz

The Shelf System for Your Lifestyle



SCR-205X, Optional K-505TX, D-SX7A

SCR-205X

Receiver & CD Player Package

R-805TX(SH) SILVER

RDS FM/AM Receiver

- 20 W/Ch, Continuous 4 Ω , DIN • WRAT (Wide Range Amplifier Technology)
- Discrete Output Stage Circuitry • CD-R Input and Output Terminals • Processor Input and Output Terminals • 30 RDS FM/AM Presets • 4-Mode Timer (Weekday, Weekend, Rec, Sleep) • Heavy-Duty Speaker Binding Posts • High-Grade Aluminium Volume and Input Knob • Blue FL Display • Brushed Hairline Aluminium Front Panel • RI-Compatible Remote Control

WRAT
WIDE RANGE AMP TECHNOLOGY CD-RDS

C-705TX(SH) SILVER

CD Player

- DLA Link2 (Digital Rec Level Adjustment) • 2 Optical Digital Outputs • High-Quality Single-Bit DAC • 25-Track Random Memory • 15-Track Music Calendar Display • 4-Mode Repeat • 4-Mode Time Display • Track-1 Play Mode • Solid Steel, Anti-Resonant Chassis • Blue FL Display • Brushed Hairline Aluminium Front Panel

DLA
DIGITAL LINK 2

Optional Components

K-505TX(SH) SILVER

Auto-Reverse Cassette Deck

- Auto-Reverse for Continuous Listening • Rugged Onkyo Transport System • Dolby® HX Pro & B and C Noise Reduction • CD-to-Tape One-Touch Dubbing (Album/Fade) • CD/MD to Tape Synchro Recording • Auto Tape Selector Sets Bias & Equalization to Match Tape Type • Auto Recording Level Control • Auto Spacing • Music Search • Blue FL Display • Brushed Hairline Aluminium Front Panel

DLA
DIGITAL LINK 2

D-SX7A(W)

2-Way, Bass Reflex Speakers

- 12 cm OMF Diaphragm Woofer • 2.5 cm Soft-Dome Tweeter • Magnetically Shielded • Extensively Braced MDF Cabinet • 5 Ω Impedance • 70 W Max. Input Power • 85 dB/W/m Sensitivity • 50 Hz-35 kHz Frequency Response



Simplify Your Life with this Hi-Fidelity Desktop Music System



CR-305TX, D-N5TX

CS-210

CD Receiver Shelf System

CR-305TX SILVER

CD Receiver

- 20 W/Ch, 4 Ω , DIN • Discrete Output Stage Circuitry • 4 Ω Low-Impedance Drive • 4-Step Acoustic Presence • Single-Bit DAC • DLA Link2 • Optical Digital Output • RDS (PS) • Aluminium Front Panel • RI-Compatible Remote Control

DLA
DIGITAL LINK 2 CD-RDS

D-N5TX BEECH

2-Way, Bass Reflex Speakers

- 12 cm OMF Diaphragm Woofer • 2.5 cm Balanced-Dome Tweeter • Magnetically Shielded • Extensively Braced MDF Cabinet • 6 Ω Impedance • 70 W Max. Input Power • 50 Hz-40 kHz Frequency Response • Onkyo's Exclusive S-Line Edge for Responsive, High-Fidelity Sound



Style and Sound Beyond Your Expectations



R-801A, C-701A, D-N3X

Fill Your Room with Sound from an Unbelievably Compact yet Powerful System



PDR-155, HTP-L7 (D-M3, D-M7, SWA-155X)

MCR-155XPA SILVER

CD Player / Receiver with Speaker Package

R-801A SILVER

RDS FM/AM Receiver

- 17 W/Ch, Continuous 4 Ω , DIN • WRAT (Wide Range Amplifier Technology)
- Discrete Output Stage Circuitry • Low-Impedance Drive • CD-R Input and Output Terminals • 4 Analogue Inputs and 3 Outputs • Dedicated Subwoofer Pre Out • 30 FM/AM Random Presets • RDS (PS, RT, CT) & AccuClock • FM Auto Scan Tuning • 4-Mode Timer (Weekday, Weekend, Rec, Sleep)
- Aluminium Front Panel • RI-Compatible Remote Control

W.R.A.T. WIDE RANGE AMPLIFIER TECHNOLOGY ACCUCLOCK CORDS

C-701A SILVER

CD Player

- DLA Link2 (Digital Rec Level Adjustment) • 2 Optical Digital Outputs • High-Quality Single-Bit DAC • Vibration-Reducing Centre-Mounted Tray • 25-Track Random Memory • 3-Mode Repeat (Entire Disc, Memory, Random) • 2-Mode Super Dubbing (Album, Fade Out) • High-Rigidity Anti-Resonant Steel Chassis • Aluminium Front Panel

DLA LINK2

D-N3X

2-Way, Bass Reflex Speakers

- 12 cm OMF Diaphragm Woofer • 2.5 cm Balanced-Dome Tweeter
- Magnetically Shielded • Extensively Braced MDF Cabinet • 5 Ω Impedance
- 70 W Max. Input Power • 60 Hz-35 kHz Frequency Response

OMF

Optional Component

CDR-201A SILVER

Audio CD Recorder

- Plays CDs, CD-Rs and CD-RWs; Records to CD-Rs and CD-RWs • DLA Link • Rec Level Adjustment (Analogue & Digital) • 2 Optical Digital Inputs and 1 Output • CD-Text Display and Disc Titling (Disc/Track) • 4 x Finalizing • One-Touch CD Dubbing • Aluminium Front Panel • RI Remote Control

DLA LINK

K-501A SILVER

Auto-Reverse Cassette Deck

- Slot-In Computer Controlled Auto-Reverse Cassette Deck • Dolby® HX Pro & B and C Noise Reduction • CD-to-Tape, One-Touch CD Dubbing (Album/Fade) • CD/CD-R/MD to Tape Synchro Recording • Automatic Tape Selector • Auto Space Rec Mute • Music Search • One-Touch Power On and Play • RI Remote Control Terminal • Aluminium Front Panel



DOLBY B-C NR HX PRO

L-DR7 SILVER

DVD/CD Receiver with Speaker Package

PDR-155

DVD/CD Control Centre

- DTS®, Dolby® Digital, Dolby® Pro Logic® II, PCM • Plays DVDs, MP3 CDs, CD-Rs, CD-RWs, Video CDs and Audio CDs • High-Current, Low-Impedance Drive • S-Video Output • 1 Digital Input and 2 Outputs • Subwoofer Pre Out • Progressive Scan • Colour-Coded Speaker Terminals • On-Screen Display (English, French, Spanish, German, Italian) • Preprogrammed Remote Control

DTS DIGITAL PRO LOGIC II DVD VIDEO MP3 96/24 DTS THEATR-DIMENSIONAL

PROGRESSIVE SCAN CORDS

HTP-L7 OMF

Speaker Package

D-M3

Full-Range, Bass Reflex Centre/Surround Speakers

- Full Range 8 cm OMF Cone • Magnetically Shielded • MDF Cabinet • 6 Ω Impedance • 30 W Max. Input Power • 125 Hz-25 kHz Frequency Response

D-M7

Full-Range, Bass Reflex Front Speakers

- Full Range 8 cm OMF Cone • Magnetically Shielded • MDF Cabinet • 6 Ω Impedance • 40 W Max. Input Power • 80 Hz-25 kHz Frequency Response

SWA-155X

Bass Reflex Powered Subwoofer

- 11 W/Ch, at 3 Ω , DIN (front/centre/surround), 20 W, at 3 Ω , DIN (Subwoofer), Amplifier Built-In • 16 cm OMF Cone • Magnetically Shielded • MDF Cabinet • 50 k Ω Impedance • 35-150 Hz Frequency Response



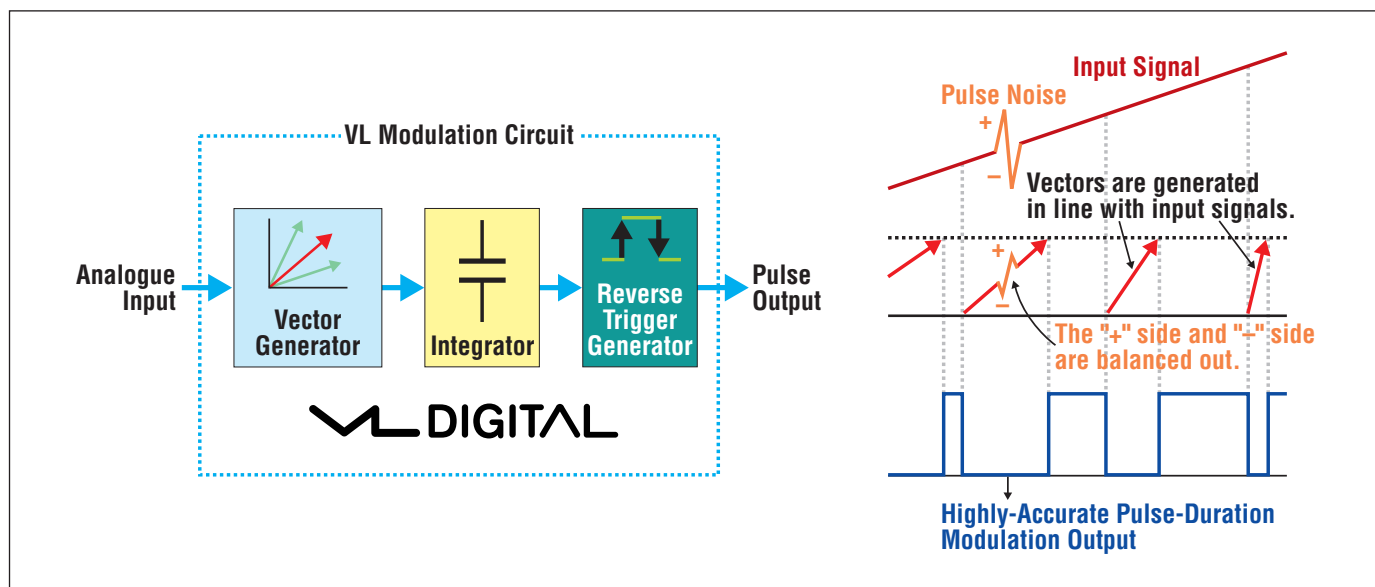
Pure Hi-Fi Components— For Dynamic Audio Reproduction



VL Digital—Hear What You've Been Searching For



Your audio signal is a delicate thing that's often tainted with unnecessary noise in conventional amplifiers. Onkyo's digital amplifier design takes advantage of PWM (Pulse Width Modulation) amplification and adds its exclusive VL (Vector Linear) technology to mask the noise and smooth the spikes in audio signals to reveal even the most subtle of nuances in your movies and music.



A-1VL

Digital Stereo Amplifier



VL DIGITAL (192^{kHz}/24^{bit})

The world of digital components, with high power from slim, stylish designs, is here. But it's not just power and a pretty face that sets the A-1VL digital stereo amplifier apart from the rest. A low-impedance design featuring carefully selected audiophile quality parts—such as large capacity, separate toroidal transformers for the left and right channels, thick copper plates throughout, and high-grade transparent speaker terminals—makes for high-speed signal transmission and pure, crystalline sound. Onkyo's digital amplifier combines PWM (Pulse Width Modulation) amplification and exclusive VL (Vector Linear) technology to smooth the “ripples” (fluctuations) and eliminate the noise inherent in analogue or other PWM technologies. The result is amplification with over 90% efficiency, for wide dynamic and frequency ranges and sound harmony that provides the audio impact that you have been missing.

- Exclusive Onkyo VL Digital 2-Channel Amplifier
- Dual Toroidal Transformers for L/R Channels
- Dual Mono Construction with Ultra-High Power Supply
- Wolfson 192 kHz/24-Bit Audio DACs for L/R Channels
- High-Grade, Banana-Plug Capable, Transparent Speaker Terminals
- Low-Impedance, Copper Bus Plate
- Audiophile-Grade Parts
- Linear Motor Volume Control
- Brass Insulator
- Gold Plated, Extruded Pin Jacks
- Heavy-Duty, Inlet Power Cord
- Rugged Chassis to Prevent Vibrations
- Remote Control Supplied

C-1VL

Audiophile-Grade CD Player



VL VECTOR LINEAR SHAPING CIRCUITRY (192^{kHz}/24^{bit}) DIRECT DIGITAL PATH

Pristine audio reproduction, excellent operating convenience and sleek styling all come together for you in the C-1VL CD player. This player certainly embodies the array of technical advances you would expect from the perfect match for the A-1VL digital stereo amplifier. Exclusive VLSC (Vector Linear Shaping Circuitry) and high-grade Wolfson D/A converters provide a smooth signal, free from the noise that taints the sound of the competition. The result is a ruggedly built CD player, for a higher-order music enthusiast.

- VLSC (Vector Linear Shaping Circuitry)
- High-Grade Wolfson 192 kHz/24-Bit DACs
- Super High-Precision Clock
- Heavy-Gauge Toroidal Transformer
- Direct Digital Path
- Digital Out On/Off
- Brass Insulator
- Gold Plated, Extruded Pin Jacks
- Heavy-Duty, Inlet Power Cord
- 3 Digital Outputs (2 Optical/1 Coaxial)
- Rugged Chassis to Prevent Vibrations
- Remote Control Supplied

Refining the Art of Stereo—Serious Equipment for the Serious Audiophile

These sleek, well-built components are exemplary reminders that musical excellence doesn't have to be outrageously expensive. Each component delivers a level of fidelity that is hard for other manufacturers to rival, let alone surpass—even at a much higher price.

A-9211

Integrated Amplifier



- 60 W/Ch, Continuous 4 Ω , 1 kHz, DIN
- High-Current, Low-Impedance Drive
- Shielded Heavy-Duty Power Supply
- Discrete Output Stage Circuitry
- Aluminium-Extruded Heat Sink

- A/B Speaker Selector & Outputs
- Direct Source/Tone Bypass Switch
- 6 Audio Inputs
- Aluminium Front Panel
- RI-Compatible Control

T-4211

Quartz Synthesized FM/AM Stereo Tuner



- Digital Synthesized Tuning
- High Sensitivity & Superb Selectivity
- High-Quality Front End
- 2-Mode APR (Automatic Precision Tuning)
- RDS (PTY, TP, RT, CT, PS)

- 30 RDS FM/AM Random Presets
- Selectable Character Display Input
- 3 Station-Group Presets (10 Stations Each)
- Aluminium Front Panel
- RI-System Compatible

TX-8511

RDS FM/AM Stereo Receiver



- 100 W/Ch, continuous 4 ohm, 1 kHz, DIN
- Discrete output stage circuitry for high-current, low-impedance drive
- Multiroom capability enables users to listen in other rooms
- Heavy-Duty extruded heat sink for maximum heat dissipation-adds life to receiver
- A/B speaker selector and outputs to hook-up an additional pair of speakers
- 2-Mode APR (Automatic Precision Reception: local/DX, auto/mono) monitors signal quality and automatically sets the optimum setting
- 30 FM/AM random presets to group stations for convenient access
- Preset scan tuning to quickly and easily preview preset stations
- RDS for Radio Data System reception
- Motor-driven, precision volume control
- Solid aluminum front panel
- RI compatible remote

TX-8211

RDS FM/AM Stereo Receiver



- 70 W/Ch, Continuous 4 Ω , 1 kHz, DIN
- High-Current, Low-Impedance Drive
- Discrete Output Stage Circuitry
- 30 FM/AM Random Presets
- 2-Mode APR (Automatic Precision Tuning)
- RDS (PTY, TP, RT, PS)
- A/B Speaker Selector & Outputs
- Tape Monitor
- Aluminium Front Panel
- RI-Compatible Remote Control

Hours of Uninterrupted Music for the Soundtrack to Your Life

DX-C390

6-Disc CD Carousel Changer



- VLSC (Vector Linear Shaping Circuitry)
- Vector Quantizer Audio DAC Technology (VQA)
- Plays MP3 CDs and Audio CDs
- Change up to 5 Discs During Play
- Multi-Bit DAC
- 128 x Oversampling
- Proprietary AccuPulse Quartz System
- Direct Digital Path
- Optical & Coaxial Digital Outputs
- Fixed Output
- 40-Track Programming
- Unique Next Selection Feature
- 6 Repeat Modes (Entire Disc/All Discs/Random Tracks/Programmed Tracks/Random Memory/Single Track)

- Aluminium Front Panel
- Full-Function RI Remote Control

Exclusive Mechanism

The DX-C390's exclusive design features a 6-disc carousel with an ultra-quiet loading mechanism.



DX-C380

6-Disc CD Carousel Changer



- Change up to 5 Discs During Play
- Single-Bit DAC
- Proprietary AccuPulse Quartz System
- Optical Digital Output
- 40-Track Programming
- Unique Next Selection Feature

- 6 Repeat Modes
- Disc Intro Scan
- Direct Track and Disc Access
- Oversized Isolated Power Transformer
- Aluminium Front Panel
- RI Remote Control

DX-7333

CD Player



- Proprietary AccuPulse Quartz System
- Unique Next Selection Feature
- Memory Reverse (Program Delete)
- Peak-Level Search
- 36-Track Random Memory
- 3 Repeat Modes (Entire Disc, Single Track, A-B Block)
- 2 Optical Digital Outputs
- Headphone Jack with Volume Control
- Aluminium Front Panel
- RI Remote Control

TA-RW244

Double Cassette Deck



- Auto-Reverse on Both Decks, Auto-Reverse Record on Deck B
- Rugged Onkyo Transport System
- Dolby® B and C Noise Reduction
- CD Synchro Recording
- 8-Segment FL Peak Level Meters
- Peak Hold
- Auto Tape Selector
- Auto Spacing
- 4-Digit Electronic Tape Counter
- Aluminium Front Panel
- RI-System Compatible

GLOSSARY

THX® SURROUND EX™

It's called THX® Surround EX™—"EX" because it extends the 5.1-channel format by adding another channel of information between the left and right surround channels. This lets movie sound mixers place sounds behind you, not just to the sides as in a standard cinema.

THX SURROUND EX™

THX® ULTRA2

Receivers that bear this badge of honour give you the new reference standard in home entertainment performance. You're provided with ultimate eight-channel (7.1) playback of any 5.1 multi-channel program—enjoy reference-standard playback of music as well as movies. In addition, the video switching handles all wide-bandwidth sources, such as HDTV and progressive scan, without any picture degradation.



THX® ULTRA and THX® SELECT

THX®, the inspiration of George Lucas, was originally created as a studio-reference monitoring tool. Both THX® Ultra and THX® Select guarantee you superior performance and ensure accurate reproduction of the cinema experience in the home. And both require the receiver's built-in amplifiers to meet rigorous guidelines for sound purity and power output. The difference: the THX® Select standard is for a 2,000 cubic-foot room, while the THX® Ultra standard is for a 3,000+ cubic-foot room.



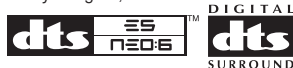
DOLBY® DIGITAL EX™ & DOLBY® PRO LOGIC® IIx

Dolby® Digital EX™ creates six full-bandwidth output channels from 5.1-channel sources. This is done using a matrix decoder that derives three surround channels from the two in the original recording. Dolby® Pro Logic® IIx is the newest addition to the Dolby® family. Dolby® Pro Logic® IIx takes a stereo or 5.1-channel signal and processes it into a 6.1- or 7.1-channel output. Three modes, Movie, Music and Game, match the processing to your entertainment needs.



DTS® (DIGITAL THEATER SYSTEMS) FORMATS

There are two DTS®-ES™ (Extended Surround) formats: DTS®-ES™ Discrete 6.1 and DTS®-ES™ Matrix 6.1. The DTS®-ES™ Discrete 6.1 format is, as the name implies, a 6.1-channel system, with a discrete back surround channel, while DTS®-ES™ Matrix 6.1, like Dolby® Digital Surround EX™, provides a matrix-encoded back surround channel. There's also DTS® NEO:6, which derives a 6-channel surround output from a stereo soundtrack, and regular DTS®, which, like Dolby® Digital, is a discrete 5.1-channel system, but uses less compression than Dolby® Digital.



DTS® 96/24

This new format offers you the sound quality of the original 96/24 master. Also, you won't have to worry about buying a new DVD player. DTS® 96/24 can be carried on DVD-Video, or in the video zone of DVD-Audio, which makes it playable on all DVD players.



CinemaFILTER™

The tonal balance of a film soundtrack can be edgy and bright when played back over audio equipment in your home—this is because film soundtracks are designed to be played back in large cinemas, using commercial equipment. Onkyo has developed its own solution that restores the correct tonal balance of a movie soundtrack in the smaller environs of your home Theater.



192kHz/24-Bit DACs

Costly, extremely powerful D/A converters for all six main channels in our top receivers. They not only boast a dynamic range of 120dB, they process information faster and are virtually resistant to clock jitter, to ensure the best possible performance from DVD-Audio, DVD-Video, Super Audio CD and audio CD.



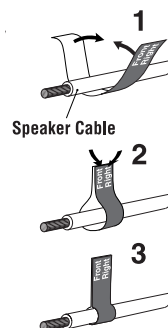
POWERED ZONE 2

You don't need an external amplifier to enjoy a stereo audio source (radio, CD, MD, LP or cassette) in the main room, while at the same time someone else listens to a different stereo source in another room.



COLOUR-CODED SPEAKER TERMINALS

Front Left	Front Right
SPK Zone 2 Left	SPK Zone 2 Right
SPK Zone 2 Left	SPK Zone 2 Right
Surround Left	Surround Right
Surround Left	Surround Right
Center	Center
Surround Back Left	Surround Back Right
Surround Back Left	Surround Back Right
Sub	Sub
Zone 2 Left	Zone 2 Right
Surround Back Left	Surround Back Right
Surround Back Left	Surround Back Right
Zone 2 Left	Zone 2 Right

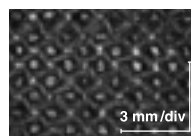


These colour-coded speaker terminals take the guesswork out of matching wires to the correct terminals. Simply attach the colour-coded label to the speaker cable, and attach the cable to the same-coloured speaker terminal for easy speaker connection.

CROSSOVER ADJUSTMENT

Previously, crossover frequency was fixed at 80 Hz. With Crossover Adjustment, you can set the frequency at 40/60/80/100/120/150 Hz, depending on your receiver and speakers' bass playback ability. This lets you more accurately match the performance characteristics of the subwoofer to your front speakers.

ONKYO MICRO FIBER



The Onkyo Micro Fiber (OMF) speaker cone is considered to be one of the major advancements in driver design. Utilizing pure cotton weave, Onkyo OMF cones feature

excellent vibration-absorbing characteristics and a thin yet rigid flexing diaphragm which results in an extremely fast and accurate transient response (the cone's ability to quickly start and stop). All of this adds up to improved midrange clarity and imaging, for astonishingly vivid, natural sound.



ONKYO
IMAGINATIVE SIGHT & SOUND

Due to a policy of continuous product improvement, Onkyo reserves the right to change specifications and appearance without prior notice. Some models are available in both black and silver, depending on area where sold. Your authorized Onkyo dealer has details. AC power supply varies on certain models. Check with your local Onkyo dealer for the correct power supply in your area. "THX Ultra" and "THX Surround EX" are trademarks of THX Ltd. THX Surround EX/Digital Surround EX is a joint development of Dolby Laboratories and THX Ltd. "Dolby", "Pro Logic", "Digital EX" and the double-D symbol are trademarks of Dolby Laboratories. "DTS", "DTS-ES Extended Surround", "DTS 96/24" and "NEO:6" are trademarks of Digital Theater Systems, Inc. "NSV" is a trademark of Analog Devices, Inc. "Theater Dimensional", "CinemaFILTER", "Net-Tune", "ExperienCinema" and "VLSC" are trademarks of Onkyo Corporation. All other trademarks and registered trademarks are the property of their respective holders.

www.onkyo.net/

FEATURES

A/V RECEIVERS	TX-NR801E	TX-SR702E	TX-SR602E	TX-SR502E
POWER SPECIFICATIONS				
POWER OUTPUT*1 FRONT L/R (6 Ω, 1 kHz, DIN)	135 W/Ch	130 W/Ch	120 W/Ch	90 W/Ch
CENTRE (6 Ω, 1 kHz, DIN)	135 W	130 W	120 W	90 W
SURROUND L/R (6 Ω, 1 kHz, DIN)	135 W/Ch	130 W/Ch	120 W/Ch	90 W/Ch
SURROUND BACK (6 Ω, 1 kHz, DIN)	135 W/Ch (L/R)	130 W	120 W	90 W
DYNAMIC POWER*2 4 Ω (FRONT)	210 W/Ch	170 W/Ch	165 W/Ch	150 W/Ch
8 Ω (FRONT)	130 W/Ch	115 W/Ch	100 W/Ch	95 W/Ch
AMPLIFIER DESIGN				
IDENTICAL FULL-BANDWIDTH CHANNELS	7	7	7	6
REDUCED NFB (NEGATIVE FEEDBACK) DESIGN	✓	✓	✓	✓
WRAT (WIDE RANGE AMPLIFIER TECHNOLOGY)	✓	✓	✓	✓
VLSC (VECTOR LINEAR SHAPING CIRCUITRY)	✓	✓	✓	
NON-SCALING CONFIGURATION	✓	✓	✓	✓
DACS	192 kHz/24-Bit x 6 96 kHz/24-Bit x 2	192 kHz/24-Bit x 7	192 kHz/24-Bit x 7	96 kHz/24-Bit x 6
HIGH CURRENT LOW IMPEDANCE DRIVE	✓	✓	✓	✓
ALL DISCRETE OUTPUT STAGE AMPLIFIERS	✓	✓	✓	✓
OPTIMUM GAIN VOLUME CIRCUITRY	✓ (Linear)	✓	✓	✓
DIGITAL UPSAMPLING	✓	✓	✓	
HOME THEATER FEATURES				
THX® SURROUND EX™ AND THX® CERTIFIED	✓ (Select)	✓ (Select)		
THX® ULTRA2 CERTIFIED				
EXTENDED FREQUENCY RESPONSE (+ 1 dB, - 3 dB)	10 Hz-100 kHz	10 Hz-100 kHz	10 Hz-100 kHz	10 Hz-100 kHz
DTS®, DTS®-ES™ DISCRETE/MATRIX 6.1, DTS® NEO:6	✓	✓	✓	✓
DTS® 96/24	✓	✓	✓	✓
DOLBY® DIGITAL, DOLBY® PRO LOGIC® II, DOLBY® DIGITAL EX™	✓	✓	✓	✓
DOLBY® PRO LOGIC® IIx	✓	✓	✓	✓
A-FORM LISTENING MODE MEMORY	✓	✓	✓	✓
COMPOSITE TO S-VIDEO CONVERSION	✓	✓	✓	
COMPOSITE AND S-VIDEO TO COMPONENT VIDEO UPCONVERSION	✓	✓	✓	
MULTICHANNEL INPUT	7.1	5.1	5.1	5.1
CINEMAFILTER™			✓	✓
DIGITAL SOUNDFIELD PROCESSING MODES	39	39	32	17
LATE NIGHT MODE	✓	✓	✓	✓
COLOUR-CODED SPEAKER TERMINALS	✓	✓	✓	✓
ON-SCREEN DISPLAY	✓	✓	✓	
ADJUSTABLE DIGITAL DELAY	✓			
CROSSOVER ADJUSTMENT	✓	✓	✓	✓
NETWORK FEATURES				
NET-TUNE™	✓			
ETHERNET PORT	✓			
NUMBER OF PRESETS (INTERNET RADIO)	30			
INPUTS/OUTPUTS				
i.LINK (IEEE1394) INPUTS				
HDMI INPUTS/OUTPUT				
AUDIO AND AV INPUTS	3/6	3/5	2/5	2/4
HDTV-READY COMPONENT VIDEO INPUT/OUTPUT	2/1	2/1	2/1	2/1
FRONT-PANEL VIDEO INPUT (WITH S-VIDEO)	✓	✓	✓	✓
S-VIDEO COMPATIBLE JACKS INPUT/OUTPUT	6/3	5/3	5/3	4/2
DIGITAL INPUTS	4 Optical (1 Front panel) 3 Coaxial 2 Optical	3 Optical (1 Front panel) 1 Coaxial 1 Optical/1 Coaxial	3 Optical (1 Front panel) 1 Coaxial 1 Optical	3 Optical 1 Coaxial
DIGITAL OUTPUT				
RS-232 CONTROL PORT				
IR INPUT/OUTPUT	1/1	1/0	1/0	
PRE OUTS				
FRONT L/R, CENTER	✓	✓		
SURROUND L/R	✓	✓		
SURROUND BACK	✓ (L/R)	✓ (L/R)		
SUBWOOFER	✓	✓	✓	✓
OTHER FEATURES				
DOT-MATRIX DISPLAY	✓	✓	✓	✓
DISPLAY DIMMER	3 Levels	3 Levels	3 Levels	3 Levels
PURE AUDIO MODE	✓	✓		
DUAL BANANA PLUG COMPATIBLE SPEAKER TERMINALS	All Terminals	All Terminals	All Terminals	All Terminals
SLEEP TIMER (90 MINUTES; 10-MIN STEPS)	✓	✓	✓	✓
PHONO INPUT	✓	✓		
HEADPHONE JACK	✓	✓	✓	✓
ZONE 2 (MULTISOURCE) LINE OUT	✓ (Audio/Video)	Line/Pre Out	Line	
POWERED ZONE 2	✓	✓	✓	
12 VOLT TRIGGER	1 (Zone 2)	1 (Zone 2)	1 (Zone 2)	
A/B SPEAKER DRIVE				A and B
TUNER FEATURES				
NUMBER OF PRESETS (FM/AM)	40	40	40	30
RDS (RADIO DATA SYSTEM)	✓	✓	✓	✓
CONTROL				
RI-COMPATIBLE REMOTE CONTROL	Prepro/Learning/Backlit	Prepro/Learning/Backlit	Prepro/Learning	Prepro
MACRO FUNCTION	✓	✓	✓	
ABSOLUTE/RELATIVE VOLUME DISPLAY	✓	✓	✓	Absolute
INTELLI VOLUME	✓	✓	✓	
COLOUR	Silver or Black	Silver or Black	Silver or Black	Silver or Black

*1 Channels are measured separately. *2 Calculated on basis of IHF Dynamic headroom.

FEATURES

DVD/CD PLAYERS	DV-SP1000E	DV-SP502E	DV-SP402E
THX® CERTIFIED	✓ (Ultra)		
DVD AUDIO DECODING	✓	✓	
SUPER AUDIO CD DECODING	✓	✓	
DTS®/DOLBY® DIGITAL/MPEG/DIGITAL AUDIO OUTPUT	✓	✓	✓
DIRECT DIGITAL PATH	✓ (Dual)	✓	
VLSC (VECTOR LINEAR SHAPING CIRCUITRY)	✓	✓	
PAL PROGRESSIVE SCAN	✓	✓	✓
HDMI OUTPUT	✓		
OPUS FLEXSCALE VIDEO SCALING	✓		
i.LINK (IEEE1394) DIGITAL AUDIO SOCKETS	✓		
96 kHz/48 kHz SELECTABLE DIGITAL OUTPUT	✓	✓	✓
RGB VIDEO OUTPUT	✓	✓	✓
MP3 PLAYBACK	✓	✓	✓
WMA PLAYBACK	✓	✓	✓
PLAYBACK DAC	192 kHz/24-Bit	192 kHz/24-Bit	192 kHz/24-Bit
VIDEO DAC	216 MHz/14-Bit	108 MHz/12-Bit	54 MHz/10-Bit
VIDEO CIRCUIT ON/OFF CONTROL	✓		
DYNAMIC RANGE CONTROL	✓	✓	✓
VIDEO BLACK LEVEL CONTROL	✓	✓	✓
DIGITAL OUTPUTS	2 Optical/2 Coaxial	1 Optical/1 Coaxial	1 Optical/1 Coaxial
ANALOGUE AUDIO OUTPUT	✓	✓	✓
CD-R/RW PLAYBACK CAPABILITY	✓	✓	✓
DVD-R/RW PLAYBACK CAPABILITY*1	✓	✓	✓
S-VIDEO OUTPUT	✓	✓	✓
PASSES PLUGE SIGNALS	✓	✓	✓
PROGRAMMED MEMORY PLAYBACK	✓	✓	✓
8-LANGUAGE SOUNDTRACK CAPABILITY	✓	✓	✓
DIMMABLE DISPLAY	4-Mode	3-Mode	3-Mode
COLOUR	Silver or Black	Silver or Black	Silver

HOME STYLE COMPONENTS	DR-S2.2	CR-L5	PDR-155 (L-DR7)
RECEIVER/CONTROL CENTRE SECTION			
POWER OUTPUT STEREO (6 Ω, 1 kHz, DIN)	35 W/Ch	41 W/Ch	
POWER OUTPUT STEREO (4 Ω, 1 kHz, DIN)		50 W/Ch	
WRAT (WIDE RANGE AMPLIFIER TECHNOLOGY)		✓	
VLSC (VECTOR LINEAR SHAPING CIRCUITRY)		✓	
DISCRETE OUTPUT STAGE		✓	
LOW IMPEDANCE DRIVE	✓	✓	
RDS (RADIO DATA SYSTEM)	✓	✓	✓
AUDIO INPUT/OUTPUT TERMINALS	4/2	3/2	2/1
DIGITAL INPUT	1 Optical/1 Coaxial	✓	1 Optical
DIGITAL OUTPUT	1 Optical	1 Optical/1 Coaxial	2 Optical
SUBWOOFER PRE OUT	✓	✓	✓
SURROUND MODES	12		12
NUMBER OF PRESETS	30	40	30
PRESET STATION NAMING		✓	✓
DIRECT ACCESS TUNING		✓	
ACOUSTIC CONTROL	2 Step		2 Step
AUTOMATIC/MANUAL TUNING	✓	✓	✓
SLEEP TIMER	✓	✓	✓
HEADPHONE JACK	✓	✓	✓
COLOUR-CODED SPEAKER TERMINALS	✓		✓
RI REMOTE CONTROL	✓	✓	✓
COLOUR	Titanium	Silver	Silver
DVD PLAYER SECTION			
DTS®, DOLBY® DIGITAL, DIGITAL AUDIO OUTPUT	✓		✓
DOLBY® PRO LOGIC® II, DOLBY® DIGITAL EX™	✓		
PROGRESSIVE SCAN			✓
RGB VIDEO OUTPUT	✓		✓
PLAYBACK DAC	96 kHz/24-Bit	192 kHz/24-Bit (CD only)	96 kHz/24-Bit
VIDEO DAC	27 MHz/10-Bit		27 MHz/10-Bit
DYNAMIC RANGE CONTROL	✓		✓
CD-R/RW PLAYBACK CAPABILITY	✓		✓
MP3 PLAYBACK	✓		✓
S-VIDEO OUTPUT	✓		✓
PROGRAMMED MEMORY PLAYBACK	✓		✓
8-LANGUAGE SOUNDTRACK CAPABILITY	✓		✓
DIMMABLE DISPLAY	3-Mode		3-Mode
CD PLAYBACK			
SINGLE-BIT DAC			
NUMBER OF REPEAT MODES	4 (Title/Chapter/ Track/A-B)	3 (Entire side/ Memory/Random)	4 (Title/Chapter/ Track/A-B)
SHUFFLE/RANDOM PLAY	✓	✓	✓
DIRECT TRACK ACCESS	✓	✓	✓
ANALOGUE OUTPUT (VARIABLE/FIXED)	✓		✓

HI-FI RECEIVERS	R-805TX	R-801A	TX-8211
POWER OUTPUT STEREO (4 Ω, 1 kHz, DIN)	20 W/Ch	17 W/Ch	70 W/Ch
DYNAMIC POWER**2 (4 Ω)	24 W/Ch	21 W/Ch	90 W/Ch
WRAT (WIDE RANGE AMPLIFIER TECHNOLOGY)	✓	✓	
DISCRETE OUTPUT STAGE	✓	✓	✓
LOW IMPEDANCE DRIVE	✓	✓	✓
RDS (RADIO DATA SYSTEM)	✓	✓	✓
AUDIO INPUT/OUTPUT TERMINALS	5/3	4/3	4/2
INPUT/OUTPUT PROCESSOR JACKS	✓		
SUBWOOFER PRE OUT		✓	
NUMBER OF PRESETS	30	30	30
PRESET STATION NAMING	✓	✓	
ACCUCLOCK	✓	✓	
DIRECT ACCESS TUNING	✓	✓	✓
AUTOMATIC/MANUAL TUNING	✓	✓	✓
HEADPHONE JACK	✓	✓	✓
SLEEP TIMER	✓	✓	✓
RI-COMPATIBLE REMOTE CONTROL	✓	✓	✓
COLOUR	Silver	Silver	Silver or Black

CD RECEIVER	CR-305TX	CR-505
POWER OUTPUT STEREO (4 Ω, 1 kHz, DIN)	20 W/Ch	25 W/Ch
DYNAMIC POWER**2 (4 Ω)	24 W	30 W
DISCRETE OUTPUT STAGE	✓	✓
RDS (RADIO DATA SYSTEM)	✓	✓
AUDIO INPUT/OUTPUT	3/3	2/3
NUMBER OF PRESETS	30	40
PRESET STATION NAMING	✓	✓
AUTOMATIC TUNING	✓	✓
HEADPHONE JACK	✓	✓
CONVERTER	Single-Bit D/A (CD)	Single-Bit D/A (CD)
RANDOM TRACK MEMORY	✓	✓
NUMBER OF REPEAT MODES	3	3
SAMPLING RATE CONVERTER	✓	✓
DIGITAL OUTPUT	1 Optical	1 Optical
SLEEP TIMER	✓	✓
RI-COMPATIBLE REMOTE CONTROL	✓	✓
COLOR	Silver	Silver

*1Discs that have not been properly finalized may only be partially playable or not playable at all. **2Calculated on basis of IHF Dynamic headroom. **3Channels are measured separately.

FEATURES

CD PLAYERS	C-705TX	C-701A	C-1VL	DX-7333	DX-C390	DX-C380
DAC	Single-Bit	Single-Bit	Multi-Bit	Single-Bit	Multi-Bit	Single-Bit
VLSC (VECTOR LINEAR SHAPING CIRCUITRY)			✓		✓	
DIRECT DIGITAL PATH			✓		✓	
SUPER HIGH-PRECISION CLOCK			✓			
MP3 CD PLAYBACK					✓	
6-DISC CHANGER					Carousel	Carousel
PEAK SEARCH	✓ (DLA Link 2)	✓ (DLA Link 2)		By Remote		
DIGITAL OUTPUT On/Off			✓			By Remote
NUMBER OF REPEAT MODES	4	4	4	5	6	6
RANDOM TRACK MEMORY	25	25	25	36	40	40
SHUFFLE/RANDOM PLAY	By Remote (Random)	By Remote	By Remote	By Remote	✓	✓
NEXT SELECTION	By Remote	By Remote	By Remote	By Remote	By Remote	By Remote
TIME EDIT				✓		
DIGITAL OUTPUT	2 Optical	2 Optical	2 Optical/1 Coaxial	2 Optical	1 Optical/1 Coaxial	1 Optical
ANALOGUE OUTPUT (FIXED)	✓	✓	✓	✓	✓	✓
HEADPHONE JACK WITH VOLUME CONTROL				✓		
RI REMOTE CONTROL	✓		✓	✓	✓	✓
COLOUR	Silver	Silver	Silver	Silver or Black	Silver or Black	Silver or Black

CD RECORDERS	CDR-201A	CASSETTE DECKS	K-505TX	K-501A	TA-RW244
CD/CD-R/CD-RW DISC PLAYBACK CAPABILITY	✓	NUMBER OF MOTORS	1	1	1 + 1
HIGH SPEED FINALIZATION	✓	NUMBER OF TAPE HEADS	2	2	1 + 2
AUTO FINALIZING FUNCTION	✓	DOUBLE CASSETTE DECK			✓
DAC	24-Bit	HIGH-SPEED DUBBING			✓
ANALOGUE INPUT (STEREO)	1	DOUBLE AUTO REVERSE			✓
ANALOGUE OUTPUT (STEREO)	1	AUTO REVERSE	✓	✓	
DIGITAL INPUT (STEREO)	2 Optical	CONTINUOUS PLAY			✓
DIGITAL OUTPUT	1 Optical	REC LEVEL CONTROLS	✓		✓
MULTI JOG	✓	CD SYNCHRO RECORDING	✓	✓	✓
CD-TEXT	✓	REPEAT PLAY		✓	✓
RI REMOTE CONTROL	✓	MUSIC SEARCH	✓	✓	
COLOUR	Silver	DOLBY® B AND C NOISE REDUCTION	✓	✓	✓
		DOLBY® HX Pro	✓	✓	
		ELECTRONIC COUNTER	✓		✓
		FLUORESCENT DISPLAY	✓		✓
		RI REMOTE SYSTEM	✓	✓	✓
		COLOUR	Silver	Silver	Silver or Black

INTEGRATED AMPLIFIER	A-1VL	A-9211	TUNER	T-4211
POWER OUTPUT (8 Ω, 1 kHz, DIN)	100 W/Ch	60 W/Ch	RDS (RADIO DATA SYSTEM)	✓
DYNAMIC POWER*1 (4 Ω)	240 W/Ch	80 W/Ch	NUMBER OF PRESETS	30
DISCRETE OUTPUT STAGE	✓	✓	APR (AUTOMATIC PRECISION RECEPTION)	2-Mode
AUDIO INPUTS/OUTPUTS	4/1	6/2	GROUP MEMORY	3
PRE OUT	✓		DIRECT ACCESS TUNING	✓
MAIN IN	✓		AUTOMATIC/MANUAL TUNING	✓
DIRECT FUNCTION	✓		PRESET SCAN	✓
TWO SETS OF SPEAKER OUTPUTS	✓	✓	SIGNAL STRENGTH INDICATOR	5-Segment
HEAVY-DUTY MULTIWAY BINDING POSTS	✓	✓	RECEPTION MODE INDICATORS	✓
HEADPHONE JACK	✓	✓	RI REMOTE SYSTEM	✓
RI-COMPATIBLE REMOTE CONTROL	✓	✓	COLOUR	Silver or Black
COLOUR	Silver	Silver or Black		

SPEAKERS	HTP-103E				HTP-L7 (L-DR7)		
TYPE NOMINAL IMPEDANCE INPUT IMPEDANCE MAX. POWER FREQUENCY RESPONSE DRIVERS POWER OUTPUT (3 Ω, DIN)	Front Speaker	Centre Speaker	Surround Speaker	Subwoofer	D-M3	D-M7	SWA-155X
	Bass Reflex	Bass Reflex	Bass Reflex	Bass Reflex Powered	Full Range, Bass Reflex	Full Range, Bass Reflex	Bass Reflex
	6 Ω	6 Ω	6 Ω		6 Ω	6 Ω	
				15 kΩ/Line			50 kΩ/Line
	100 W	100 W	100 W	150 W (Dynamic power)	30 W	40 W	25 W
	60 Hz-90 kHz	60 Hz-90 kHz	60 Hz-35 Hz	30 Hz-150 Hz	125 Hz-25 kHz	80 Hz-25 kHz	35 Hz-150 Hz
	10 cm OMF Cone	10 cm OMF Cone x 2	10 cm OMF Cone	20 cm OMF Cone	Full Range 8 cm OMF Cone	Full Range 8 cm OMF Cone	16 cm OMF Cone
	2.5 cm Balanced-Dome	2.5 cm Balanced-Dome	2.5 cm Balanced-Dome				
							11 W/Ch (Front/centre/surround), 20 W (Subwoofer)

SPEAKERS	D-N3X	D-N5TX	D-SX7A
TYPE	2-Way, Bass Reflex	2-Way, Bass Reflex	2-Way, Bass Reflex
NOMINAL IMPEDANCE	6 Ω	6 Ω	5 Ω
INPUT IMPEDANCE			
MAX. POWER	70 W	70 W	70 W
FREQUENCY RESPONSE	50 Hz-40 kHz	50 Hz-40 kHz	50 Hz-35 kHz
DRIVERS	WOOFER	12 cm OMF Cone	12 cm OMF Cone
	TWEETER	2.5 cm Balanced-Dome	2.5 cm Balanced-Dome

*1Calculated on basis of IHF Dynamic headroom.

SPECIFICATIONS

A/V RECEIVERS	TX-NR801E	TX-SR702E	TX-SR602E	TX-SR502E
AMPLIFIER SECTION				
Power Output**1 (6 Ω, 1 kHz, DIN)				
Front L/R	135 W/Ch	130 W/Ch	120 W/Ch	90 W/Ch
Centre	135 W	130 W	120 W	90 W
Surround L/R	135 W/Ch	130 W/Ch	120 W/Ch	90 W/Ch
Surround Back	135 W/Ch (L/R)	130 W	120 W	90 W
Dynamic Power**2				
4 Ω/8 Ω (front)	210 W/Ch/130 W/Ch	170 W/Ch/115 W/Ch	165 W/Ch/100 W/Ch	150 W/Ch/95 W/Ch
THD (Rated Power)	0.08 % (All channels)	0.08 % (All channels)	0.08 % (All channels)	0.08 % (All channels)
Damping Factor (1 kHz, 8 Ω)	60	60	60	60
Input Sensitivity and Impedance				
PHONO (MM)	2.5 mV, 50 kΩ	2.5 mV, 47 kΩ	—	—
CD and TAPE Play	200 mV, 50 kΩ	200 mV, 47 kΩ	200 mV, 47 kΩ	200 mV, 47 kΩ
Output Level and Impedance				
TAPE REC	200 mV, 470 Ω	200 mV, 470 Ω	200 mV, 470 Ω	200 mV, 470 Ω
PRE OUT	1.0 V, 470 Ω	1.0 V, 470 Ω	1.0 V, 470 Ω	1.0 V, 470 Ω
Frequency Response				
Audio (CD in Direct Mode)	10 Hz-100 kHz: +1 dB, -3 dB	10 Hz-100 kHz: +1 dB, -3 dB	10 Hz-100 kHz: +1 dB, -3 dB	10 Hz-100 kHz: +1 dB, -3 dB
Video Component				
S/N Ratio				
PHONO (MM)	80 dB (IHF-A, 5 mV input)	80 dB (IHF-A, 5 mV input)	—	—
CD/TAPE	110 dB (IHF-A, 0.5 V input)	106 dB (IHF-A, 0.5 V input)	106 dB (IHF-A)	100 dB (IHF-A, 0.5 V input)
Phono Overload (1 kHz)	120 mV RMS, 0.5 % THD	70 mV RMS, 0.5 % THD	—	—
Tone Controls				
BASS	±10 dB at 50 Hz	±10 dB at 50 Hz	±10 dB at 50 Hz	±12 dB at 50 Hz
MID				
TREBLE	±10 dB at 20 kHz	±10 dB at 20 kHz	±10 dB at 20 kHz	±12 dB at 20 kHz
TUNER SECTION				
Usable Sensitivity				
FM Mono	11.2 dBf, 1.0 μV (75 Ω IHF)	11.2 dBf, 1.0 μV (75 Ω IHF)	11.2 dBf, 1.0 μV (75 Ω IHF)	11.2 dBf, 1.0 μV (75 Ω IHF)
FM Stereo	17.2 dBf, 2.0 μV (75 Ω IHF)	17.2 dBf, 2.0 μV (75 Ω IHF)	17.2 dBf, 2.0 μV (75 Ω IHF)	17.2 dBf, 2.0 μV (75 Ω IHF)
AM	30 μV	30 μV	30 μV	30 μV
S/N Ratio				
FM Mono	76 dB (IHF-A)	76 dB (IHF-A)	76 dB (IHF-A)	76 dB (IHF-A)
FM Stereo	70 dB (IHF-A)	70 dB (IHF-A)	70 dB (IHF-A)	70 dB (IHF-A)
AM	40 dB	40 dB	40 dB	40 dB
THD				
FM Mono	0.2 %	0.2 %	0.2 %	0.2 %
FM Stereo	0.3 %	0.3 %	0.3 %	0.3 %
AM	0.7 %	0.7 %	0.7 %	0.7 %
FM Stereo Separation	45 dB at 1 kHz, 30 dB at 100 Hz-10 kHz	45 dB at 1 kHz, 30 dB at 100 Hz-10 kHz	45 dB at 1 kHz, 30 dB at 100 Hz-10 kHz	45 dB at 1 kHz, 30 dB at 100 Hz-10 kHz
GENERAL				
Dimensions (W x H x D)	435 x 175 x 459 mm	435 x 175 x 431.5 mm	435 x 175 x 431.5 mm	435 x 150 x 376 mm
Weight	17.3 kg	15.2 kg	12.9 kg	10.2 kg

DVD/CD PLAYERS	DV-SP1000E	DV-SP502E	DV-SP402E
Power Supply	230 V AC, 50 Hz	100-240 V AC, 50 Hz	230-240 V AC, 50 Hz
Power Consumption	48 W	15 W	12 W
Linear Velocity			
Single layer	3.49 m/s	3.49 m/s	3.49 m/s
Dual layer	3.84 m/s	3.84 m/s	3.84 m/s
Frequency Response (Digital Audio)			
DVD Linear Sound	48 kHz sampling 4 Hz to 22 kHz 192 kHz sampling 4 Hz to 88 kHz (DVD Audio)	48 kHz sampling 4 Hz to 20 kHz 96 kHz sampling 4 Hz to 44 kHz	48 kHz sampling 4 Hz to 20 kHz 96 kHz sampling 4 Hz to 44 kHz
Audio CD	44.1 kHz sampling 4 Hz to 20 kHz	44.1 kHz sampling 4 Hz to 20 kHz	44.1 kHz sampling 4 Hz to 20 kHz
S/N Ratio (Digital Audio)	112 dB	106 dB	106 dB
Audio Dynamic Range (Digital Audio)	106 dB	96 dB	96 dB
Harmonic Distortion (Digital Audio) (1 kHz)	0.002 %	0.008 %	0.008 %
Wow and Flutter	Below threshold of measurability	Below threshold of measurability	Below threshold of measurability
Video Output	1.0 V p-p, 75 Ω, negative sync., pin jack x 2, SCART x 1	1.0 V p-p, 75 Ω, negative sync., pin jack x 1, SCART x 1	1.0 V p-p, 75 Ω, negative sync., pin jack x 1, SCART x 1
S-Video Output	(Y) 1.0 V p-p 75 Ω, (C) 0.286 V p-p 75 Ω, negative sync., Mini DIN 4-pin x 2, SCART x 1	(Y) 1.0 V p-p, 75 Ω, (C) 0.286 V p-p, 75 Ω, negative sync., Mini DIN 4-pin x 1, SCART x 1	(Y) 0.7 V p-p, 75 Ω, (C) 0.286 V p-p, 75 Ω, negative sync., Mini DIN 4-pin x 1, SCART x 1
RGB Video Output	0.7 V p-p, 75 Ω, SCART x 1	0.7 V p-p, 75 Ω, SCART x 1	0.7 V p-p, 75 Ω, SCART x 1
Audio Output			
Digital (Optical)	-22.5 dBm x 2	-22.5 dBm x 1	-22.5 dBm x 1
Digital (Coaxial)	0.5 V p-p, 75 Ω, pin jack x 2	0.5 V p-p, 75 Ω, pin jack x 1	0.5 V p-p, 75 Ω, pin jack x 1
Analog Audio	2.0 V RMS, 320 Ω, pin jack (5.1 ch) x 1, pin jack (L/R) x 2, SCART x 1	2.0 V RMS, 470 Ω, pin jack (L/R) x 1, SCART x 1	2.0 V RMS, 470 Ω, pin jack (L/R) x 1, SCART x 1
Headphone Terminal	—	—	—
Dimensions (W x H x D)	435 x 123 x 374 mm	435 x 81 x 307 mm	435 x 81 x 307 mm
Weight	12.1 kg	3.3 kg	3.4 kg
Supplied Accessories	Audio/Video cable x 1, S-Video cable x 1, SCART cable x 1, Remote control (RC-563DV) x 1, HDMI cable x 1, i.LINK cable x 1	Audio/Video cable x 1, S-Video cable x 1, SCART cable x 1, Remote control (RC-523DV) x 1	Audio/Video cable x 1, S-Video cable x 1, SCART cable x 1, Remote control (RC-574DV) x 1

*1Channels are measured separately. *2Calculated on basis of IHF Dynamic headroom.

SPECIFICATIONS

HOME STYLE COMPONENTS	DR-S2.2	CR-L5	PDR-155 (L-DR7)
RECEIVER/CONTROL CENTRE SECTION			
AMPLIFIER SECTION			
Power Output (6 Ω, 1 kHz, DIN)	35 W/Ch	—	—
Power Output (4 Ω, 1 kHz, DIN)	—	50 W/Ch	—
THD (Rated Power/1 W Output)	5 %/0.2 %	1 %/0.2 %	—
Frequency Response	20 Hz-30 kHz (± 0.8 dB)	10 Hz-100 kHz (- 3 dB)	—
S/N Ratio	100 dB (IHF-A)	100 dB (IHF-A)	—
TUNER SECTION			
Usable Sensitivity			
FM Mono	11.2 dBf, 1.0 µV (75 Ω IHF)	11.2 dBf, 1.0 µV (75 Ω IHF)	11.2 dBf, 1.0 µV (75 Ω IHF)
FM Stereo	17.2 dBf, 2.0 µV (75 Ω IHF)	17.2 dBf, 2.0 µV (75 Ω IHF)	17.2 dBf, 2.0 µV (75 Ω IHF)
AM	30 µV	30 µV	30 µV
S/N Ratio			
FM Mono	73 dB	73 dB	73 dB
FM Stereo	67 dB	67 dB	67 dB
AM	40 dB	40 dB	40 dB
THD			
FM Mono/FM Stereo/AM	0.2 %/0.3 %/0.7 %	0.2 %/0.3 %/0.7 %	0.2 %/0.3 %/0.7 %
FM Stereo Separation	45 dB at 1 kHz, 30 dB at 100 Hz-10 kHz	35 dB at 1 kHz, 25 dB at 100 Hz-10 kHz	45 dB at 1 kHz, 30 dB at 100 Hz-10 kHz
GENERAL			
Dimensions (W x H x D)	435 x 101 x 427.5 mm	435 x 81.5 x 382 mm	155 x 172.5 x 289.5 mm
Weight	8.8 kg	6.8 kg	3.5 kg

DVD SECTION			
Power Supply	230-240 V AC, 50 Hz	230-240 V AC, 50 Hz	230-240 V AC, 50 Hz
Power Consumption	170 W	130 W	33 W
Signal Readout System	Optical non-contact	—	Optical non-contact
Linear Velocity			
Single Layer/Dual Layer	3.49 m/s/3.84 m/s	—	3.49 m/s/3.84 m/s
Frequency Range (Digital Audio)			
DVD Linear Sound	4 Hz-22 kHz (48 kHz), 4 Hz-44 kHz (96 kHz)	—	10 Hz-44 kHz (96 kHz)
Audio CD	4 Hz-20 kHz (44.1 kHz)	—	—
Harmonic Distortion (1 kHz)	0.025 %	—	0.01 %
Audio Dynamic Range	93 dB	—	96 dB
S/N Ratio	100 dB	—	100 dB
Wow and Flutter	Below threshold of measurability	—	Below threshold of measurability
Video Output	1.0 V p-p, 75 Ω, negative sync.	—	1.0 V p-p, 75 Ω, negative sync. pin jack x 1
S-Video Output	(Y) 1.0 Vp-p, 75 Ω, (C) 0.286 Vp-p, 75 Ω negative sync., Mini DIN 4-pin x 1, SCART x 1	—	(Y) 1.0 Vp-p, 75 Ω, (C) 0.286 Vp-p, 75 Ω negative sync., Mini DIN 4-pin x 1,
RGB Video Output	0.7 V p-p, 75 Ω, SCART x 1	—	0.7 V p-p, 75 Ω
Audio Output			
Optical Audio	- 22.5 dBm x 1	—	- 22.5 dBm x 1
Digital Audio	0.5 V p-p, 75 Ω	—	0.5 V p-p, 75 Ω
Analogue Audio	2.0 V RMS, 470 Ω, pin jack (L/R) x 2	—	2.0 V RMS, 470 Ω, pin jack (L/R) x 2
Supplied Accessories	SCART cable x 1, Remote control (RC-484M) x 1	Remote control (RC-535) x 1	Remote control (RC-506M) x 1

CD SECTION			
Signal Readout System	Optical non-contact	Optical non-contact	Optical non-contact
Reading Rotation	About 200-500 r.p.m. (Constant linear velocity)	About 200-500 r.p.m. (Constant linear velocity)	About 200-500 r.p.m. (Constant linear velocity)
Linear Velocity	3.49 m/s (Single layer), 3.84 m/s (Dual layer)	3.49 m/s (Single layer), 3.84 m/s (Dual layer)	3.49 m/s (Single layer), 3.84 m/s (Dual layer)
Error Correction System	Reed Solomon	Reed Solomon	Reed Solomon
DAC	Product Code 96 kHz/24-Bit	Product Code 96 kHz/24-Bit	Product Code 96 kHz/24-Bit
Number of Channels	2 (Stereo)	2 (Stereo)	2 (Stereo)
Digital Filter	352.8 kHz, 8 x oversampling	352.8 kHz, 8 x oversampling	352.8 kHz, 8 x oversampling
Frequency Response	4 Hz-44 kHz	5 Hz-20 kHz	4 Hz-44 kHz
Wow and Flutter	Below threshold of measurability	Below threshold of measurability	Below threshold of measurability

HI-FI RECEIVERS	R-805TX	R-801A	TX-8211
AMPLIFIER SECTION			
Power Output (4 Ω 1 kHz DIN)	20 W/Ch	17 W/Ch	70 W/Ch
Dynamic Power*1	—	—	—
4 Ω/8 Ω (Front)	24 W/Ch/17 W/Ch	21 W/Ch/14 W/Ch	90 W/Ch/55 W/Ch
THD (Rated Power)	0.6 %	0.8 %	0.08 %
Frequency Response	10 Hz-50 kHz (+ 0 dB, - 3 dB)	10 Hz-100 kHz (+ 3 dB, - 3 dB)	20 Hz-30 kHz (± 1 dB)
S/N Ratio	—	—	—
CD/TAPE	100 dB (IHF-A)	100 dB (IHF-A)	100 dB (IHF-A)
TUNER SECTION			
Usable Sensitivity			
FM Mono	11.2 dBf, 1.0 µV (75 Ω IHF)	11.2 dBf, 1.0 µV (75 Ω IHF)	11.2 dBf, 1.0 µV (75 Ω IHF)
FM Stereo	17.2 dBf, 2.0 µV (75 Ω IHF)	17.2 dBf, 2.0 µV (75 Ω IHF)	17.2 dBf, 2.0 µV (75 Ω IHF)
AM	30 µV	30 µV	30 µV
S/N Ratio			
FM Mono	73 dB (IHF-A)	73 dB (IHF-A)	76 dB (IHF-A)
FM Stereo	67 dB (IHF-A)	67 dB (IHF-A)	70 dB (IHF-A)
AM	40 dB	40 dB	40 dB
THD			
FM Mono	0.2 %	0.2 %	0.15 %
FM Stereo	0.3 %	0.3 %	0.25 %
AM	0.7 %	0.7 %	0.7 %
FM Stereo Separation	45 dB at 1 kHz	45 dB at 1 kHz	45 dB at 1 kHz
GENERAL			
Dimensions (W x H x D)	205 x 91 x 302 mm	155 x 94 x 286 mm	435 x 150 x 322 mm
Weight	3.4 kg	3.0 kg	8.3 kg

CD PLAYERS	C-705TX	C-701A	C-1VL
Digital Filter	352.8 kHz, 8 x oversampling	352.8 kHz, 8 x oversampling	352.8 kHz, 8 x oversampling
Frequency Response	5 Hz-20 kHz	5 Hz-20 kHz	5 Hz-20 kHz
S/N Ratio	90 dB	80 dB	110 dB
Dynamic Range	96 dB	88 dB	96 dB
THD (1 kHz)	0.005 %	0.007 %	0.002 %
Channel Separation (1 kHz)	85 dB	80 dB	100 dB
Wow and Flutter	Below threshold of measurability	Below threshold of measurability	Below threshold of measurability
Dimensions (W x H x D)	205 x 91 x 275 mm	155 x 76 x 277.5 mm	435 x 81.5 x 356 mm
Weight	2.2 kg	1.95 kg	6.8 kg

CD PLAYERS	DX-7333	DX-C390	DX-C380
Digital Filter	352.8 kHz, 8 x oversampling	352.8 kHz, 128 x oversampling	352.8 kHz, 8 x oversampling
Frequency Response	5 Hz-20 kHz	5 Hz-20 kHz	5 Hz-20 kHz
S/N Ratio	90 dB	98 dB	92 dB
Dynamic Range	96 dB	96 dB	96 dB
THD (1 kHz)	0.005 %	0.005 %	0.005 %
Channel Separation (1 kHz)	85 dB	92 dB	92 dB
Wow and Flutter	Below threshold of measurability	Below threshold of measurability	Below threshold of measurability
Dimensions (W x H x D)	435 x 91 x 308 mm	435 x 131 x 432 mm	435 x 131 x 433 mm
Weight	4.1 kg	6.9 kg	6.9 kg

CD RECEIVER	CR-305TX	CR-505
AMPLIFIER SECTION		
Power Output (4 Ω, 1 kHz, DIN)	20 W/Ch	25 W/Ch
Dynamic Power*1	—	—
4 Ω/8 Ω (Front)	24 W/Ch/18 W/Ch	30 W/Ch
THD (Rated Power)	0.2 %	0.2 %
Frequency Response	10 Hz-50 kHz: + 0 dB, - 3 dB	10 Hz-50 kHz: + 0 dB, - 3 dB
S/N Ratio TAPE/LINE	100 dB (IHF-A)	97 dB (IHF-A)
TUNER SECTION		
Usable Sensitivity		
FM Mono	11.2 dBf, 1.0 µV (75 Ω IHF)	11.2 dBf, 1.0 µV (75 Ω IHF)
FM Stereo	17.2 dBf, 2.0 µV (75 Ω IHF)	17.2 dBf, 2.0 µV (75 Ω IHF)
AM	30 µV	30 µV
S/N Ratio		
FM Mono	73 dB, IHF	66 dB, IHF
FM Stereo	67 dB, IHF	55 dB, IHF
AM	40 dB	50 dB
THD		
FM Mono	0.2 %	0.4 %
FM Stereo	0.3 %	0.46 %
AM	0.7 %	1.6 %
FM Stereo Separation	35 dB at 1 kHz	37 dB at 1 kHz

CD SECTION		
Digital Filter	352.8 kHz, 8 x oversampling	352.8 kHz, 8 x oversampling
Frequency Response	5 Hz-20 kHz	20 Hz-20 kHz
GENERAL		
Dimensions (W x H x D)	205 x 103 x 362 mm	205 x 103 x 356 mm
Weight	4.0 kg	3.7 kg

*1Calculated on basis of IHF Dynamic headroom.

SPECIFICATIONS

CD RECORDERS	CDR-201A	INTEGRATED AMPLIFIER	A-1VL	A-9211	TUNER	T-4211
Signal Readout System	Optical non-contact	Power Output (8 Ω, 1 kHz, DIN)	100 W/Ch	60 W/Ch	Tuning Range	87.50-108.00 MHz
Reading Rotation	About 200-550 RPM	Dynamic Power**	240 W/Ch/130 W/Ch	80 W/Ch/55 W/Ch	FM	(50 kHz steps)
Liner Velocity	1.2-1.4 m/s	4 Ω/8 Ω	0.08 %	0.08 %	AM	522-1611 kHz
Digital Filter	8 x oversampling	THD	25	60		(9 kHz steps)
Frequency Response	10 Hz-20 kHz	Damping Factor (8 Ω, 1 kHz)			Usable Sensitivity	
THD		Sensitivity and Impedance			FM Mono	11.2 dBf,
Playback (1 kHz)	0.012 %	Phono MM	2.5 mV (50 kΩ)	2.5 mV (47 kΩ)		0.9 μV 75 Ω DIN
Recording (1 kHz)	0.015 %	CD, Tuner, Tape Play	200 mV (50 kΩ) (LINE)	150 mV (25 kΩ) (TONE)	FM Stereo	17.2 dBf,
Dynamic Range		Out Rec	200 mV (2.2 kΩ)	150 mV (3 kΩ)		20.0 μV 75 Ω DIN
Playback	98 dB	Tone Controls			AM	25 μV
Recording	92 dB	Bass				1.5 dB
S/N Ratio		Treble			Capture Ratio (FM)	
Playback	98 dB	Loudness			Image Rejection Ratio	80 dB
Recording	82 dB				IF Rejection Ratio (FM)	90 dB
Channel Separation	75 dB	Frequency Response	10 Hz-60 kHz+ 1 dB, - 3 dB(CD)	15 Hz-50 kHz (± 1 dB)	S/N Ratio	
Wow and Flutter	Below threshold of measurability	S/N Ratio (IHF-A)			FM Mono (IHF)	73 dB
Output Level	2.0 V RMS	Phono MM	70 dB	80 dB (5.0 mV input)	FM Stereo (IHF)	66 dB
Power Supply	230 V AC, 50 Hz	CD	100 dB	102 dB	AM	40 dB
Power Consumption	11 W	Phono Overload (MM 1 kHz 0.5%)	130 mV	130 mV RMS	Harmonic Distortion	
Dimensions (W x H x D)	155 x 94 x 307 mm	Dimensions (W x H x D)	435 x 82 x 390 mm	435 x 120 x 331 mm	FM Mono	0.1 % (Wide)
Weight	2.8 kg	Weight	11.3 kg	6.7 kg	FM Stereo	0.2 % (Wide)
Supplied Accessories	Analog audio cable x 2, Digital optical cable x 1, Remote control x 1				AM	0.8 %
					Frequency Response (FM)	30 Hz-15 kHz (± 1.5 dB)
					FM Stereo Separation	40 dB at 1 kHz
					Dimensions (W x H x D)	435 x 91 x 305 mm
					Weight	3.6 kg

CASSETTE DECKS	K-505TX	K-501A	TA-RW244
Wow and Flutter (WRMS)	0.1 %	0.1 %	0.08 %
Frequency Response			
METAL	20 Hz-16 kHz	30 Hz-15 kHz	20 Hz-17 kHz
	(30 Hz-15 kHz ± 3 dB)	(± 3 dB)	(30 Hz-16 kHz ± 3 dB)
HIGH	20 Hz-15 kHz	30 Hz-14 kHz	20 Hz-16 kHz
	(30 Hz-14 kHz ± 3 dB)	(± 3 dB)	(30 Hz-15 kHz ± 3 dB)
NORMAL	20 Hz-14 kHz	30 Hz-13 kHz	20 Hz-15 kHz
	(30 Hz-13 kHz ± 3 dB)	(± 3 dB)	(30 Hz-14 kHz ± 3 dB)
S/N Ratio (METAL, Dolby® NR off)	54 dB	54 dB	58 dB
Heads			
Rec & Pb.	Special hard permalloy x 1	Special hard permalloy x 1	Special hard permalloy x 2
Erase	Ferrite x 1	Ferrite x 1	Ferrite x 1
Motors	DC servo motor x 1	DC servo motor x 1	DC servo motor x 2
Dimensions (W x H x D)	205 x 76 x 278 mm	155 x 94 x 303 mm	435 x 121 x 305 mm
Weight	2.6 kg	2.5 kg	5.2 kg

SPEAKERS	HTP-103E				HTP-L7 (L-DR7)		
	Front Speaker	Centre Speaker	Surround Speaker	Subwoofer	D-M3	D-M7	SWA-155X
Type	Bass Reflex	Bass Reflex	Bass Reflex	Bass Reflex Powered	Full Range, Bass Reflex	Full Range, Bass Reflex	Bass Reflex Powered
Woofer	10 cm OMF Cone	10 cm OMF Cone	10 cm OMF Cone	20 cm OMF Cone	Full Range 8 cm OMF Cone	Full Range 8 cm OMF Cone	16 cm OMF Cone
Tweeter	2.5 cm Balanced-Dome	2.5 cm Balanced-Dome	2.5 cm Balanced-Dome	—	—	—	—
Frequency Response	60 Hz-90 kHz	60 Hz-90 kHz	60 Hz-35 Hz	30 Hz-150 Hz	125 Hz-25 kHz	80 Hz-25 kHz	35 Hz-150 Hz
Crossover Frequency	5 kHz	5 kHz	5 kHz	—	—	—	—
Sensitivity	82 dB/W/m	84 dB/W/m	81 dB/W/m	—	80 dB/W/m	80 dB/W/m	500 mV (Line input)
Max. Power	100 W	100 W	100 W	150 W (Dynamic Power)	30 W	40 W	—
Nominal Impedance	6 Ω	6 Ω	6Ω	—	6 Ω	6 Ω	—
Input Impedance	—	—	—	15 kΩ/Line	—	—	50 kΩ
Dimensions (W x H x D)	125 x 217 x 175 mm	325 x 125 x 175 mm	125 x 217 x 175 mm	235 x 518 x 411 mm	85 x 120 x 112 mm	102 x 210 x 142 mm	185 x 299 x 312 mm
Weight	1.7 kg	2.6 kg	1.7 kg	12.6 kg	0.7 kg	1.1 kg	8.0 kg
Power Consumption	—	—	—	77 W	—	—	65 W
AMPLIFIER SECTION							
Power Output (3 Ω, DIN)	—	—	—	—	—	—	11 W/Ch (Front/centre/surround), 20 W (Subwoofer)
THD (Rated Power/1 W Output)	—	—	—	—	—	—	10 %/0.2 %
Frequency Response	—	—	—	—	—	—	20 Hz-30 kHz (± 0.8 dB)
S/N Ratio	—	—	—	—	—	—	100 dB (IHF-A)

SPEAKERS	D-N3X	D-N5TX	D-SX7A
Type	2-Way, Bass Reflex	2-Way, Bass Reflex	2-Way, Bass Reflex
Woofer	12 cm OMF Cone	12 cm OMF Cone	12 cm OMF Cone
Tweeter	2.5 cm Soft-Dome	2.5 cm Balanced-Dome	2.5 cm Soft-Dome
Frequency Response	60 Hz-35 kHz	50 Hz-40 kHz	50 Hz-35 kHz
Crossover Frequency	10 kHz	7.5 kHz	7 kHz
Sensitivity	84 dB/W/m	87 dB/W/m	85 dB/W/m
Max. Power	70 W	70 W	70 W
Nominal Impedance	5 Ω	6 Ω	5 Ω
Input Impedance	—	—	—
Dimensions (W x H x D)	130 x 220 x 216 mm	147 x 253 x 249 mm	158 x 267 x 248 mm
Weight	2.9 kg	2.7 kg	3.6 kg

*1Calculated on basis of IHF Dynamic headroom.

Due to a policy of continuous product improvement, Onkyo reserves the right to change specifications and appearance without notice.

"THX Ultra" and "THX Surround EX" are trademarks of THX Ltd.

THX Surround EX/Dolby Digital Surround EX is a joint development of Dolby Laboratories and THX Ltd.

"Dolby", "Pro Logic", "Digital EX" and the double-D symbol are trademarks of Dolby Laboratories.

"DTS", "DTS-ES Extended Surround", "DTS 96/24" and "NEO:6" are trademarks of Digital Theater Systems, Inc.

"NSV" is a trademark of Analog Devices, Inc.

"Theater Dimensional", "CinemaFILTER", "Net-Tune", "ExperienCinema" and "VLSC" are trademarks of Onkyo Corporation.

All other trademarks and registered trademarks are the property of their respective holders.

ONKYO
IMAGINATIVE SIGHT & SOUND

Onkyo Corporation

Business Unit Dept. 2-1, Nisshin-cho, Neyagawa-shi, Osaka 572-8540, JAPAN

Tel: 81-72-831-8005 Fax: 81-72-833-5222 <http://www.onkyo.com/>

Onkyo Europe Electronics GmbH

Liegnitzerstrasse 6, 82194 Grobenzell, GERMANY

Tel: 49-8142-4401-0 Fax: 49-8142-4401-555 <http://www.onkyo.net/>

Onkyo Europe UK Office

Suite 1, Gregories Court, Gregories Road, Beaconsfield, Buckinghamshire HP9 1HQ, UNITED KINGDOM

Tel: 44-1494-681515 Fax: 44-1494-680452 <http://www.onkyo.net/>

Onkyo U.S.A. Corporation

18 Park Way, Upper Saddle River, N.J. 07458, U.S.A.

Tel: 1-201-785-2600 Fax: 1-201-785-2650 <http://www.onkyousa.com/>

Onkyo China Limited

Units 2102-2107, Metroplaza Tower I, 223 Hing Fong Road, Kwai Chung, N.T., HONG KONG, SAR of China

Tel: 852-2429-3118 Fax: 852-2428-9039 <http://www.onkyochina.com/>

Europe

UK

Catalog No.
98040UK